Scout Report sent out ☑

Noted in the NID File ☐

Location map pinned ☐

Approval or Disapproval Letter ☐

Date Completed, P. & A. or operations suspended 10-30-59

Pin changed on location map ☐

Affidavit and Record of A & P ☐

Water Shut-Off Test ☐

Gas-Oil Ratio Test ☐

Well Log Filed ☑

FILE NOTATIONS

Entered in N I D File ✓ — Checked by Chief

Entered On S R Sheet ✓ — Copy N I D to Field Office

Location Map Pinned ✓ — Approval Letter ✓

Card Indexed ✓ — Disapproval Letter

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed 10-30-59 — Location Inspected 5-27-60

OW WW TA — Bond released

GW OS PA ✓ — State of Fee Land

LOGS FILED

Driller's Log 10-11-59

Electric Logs (No.) 4

E I E-I ✓ GR GR-N Micro ✓

Lat Mi-L ✓ Sonic ✓ Others

Revised R

FILE NOTATIONS

~~Entered~~ in N I D File ✓ — Checked by Chief

Entered On S R Sheet — Copy N I D to Field Office

Location Map Pinned ✓ — Approval Letter

Card Indexed ✓ — Disapproval Letter

~~I W R for State or Fee Land~~

COMPLETION DATA:

~~Date~~ Well Completed 6-13-62 — Location Inspected

~~OW~~ WW TA — Bond released

~~GW~~ OS ✓ PA — State of Fee Land

LOGS FILED

Driller's Log 10-30-62

Electric Logs (No.)

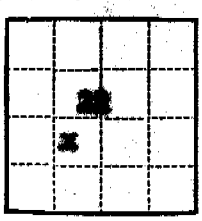
E I E-I GR GR-N Micro

Lat Mi-L Sonic Others

VLC 6-30-97

Form 9-331 a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. U4-Utah 028021
Unit Winter Ridge Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 28, 1959

Well No. 1 is located 1980 ft. from {N/S} line and 1980 ft. from {E/W} line of sec. 22

20' East of C NE SW Sec. 22 — T3S — R2E — 6th
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat — Uintah — Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is * ft. * Will advise when known

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

See attachment

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address Box 598

Casper

Colorado

By L A Kung

Title Area Foreman

U. S. GOVERNMENT PRINTING OFFICE: 1958 O - 463339

August 14, 1959

Pan American Petroleum Corporation
P. O. Box 598
Craig, Colorado

Attention: L. A. King, Area Foreman

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Winter Ridge Unit 1, which is to be located 1980 feet from the south line and 2000 feet from the west line of Section 22, Township 15 South, Range 21 East, SLBM, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

Yours very truly,

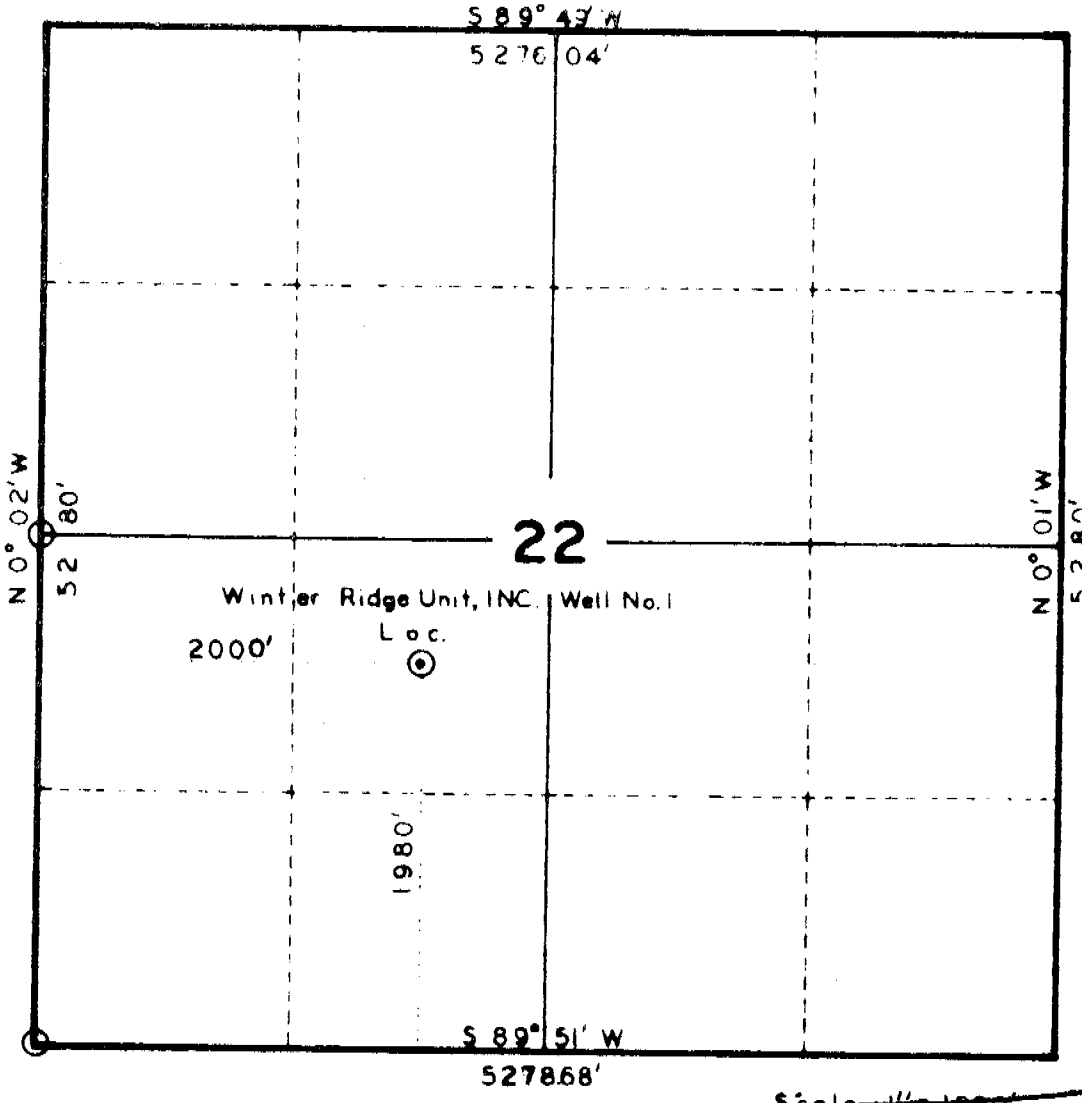
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co

P. S....The approval of this Commission is not necessary when an executed copy of the unit agreement is on file with this office.

T 15 S, R 21 E



○ - Corners located (brass cap)

Scale: 1" = 1000'

By: ROSS CONSTRUCTION CO.
Vernal, Utah

PARTY R. D. Ross M. Slaugh L. Taylar WEATHER Clear - Hot	SURVEY PAN AMERICAN PETROLEUM CORP. LOCATION - NE/4, SW/4, SECTION 22, T 15 S, R 21 E, SALT LAKE B & M. UINTAH COUNTY, UTAH	DATE Aug. 9-11, 1959 REFERENCES U.S. Sur. General's Office Approved Feb. 28, 1922 FILE Pan - Am

Pan American Petroleum Corporation proposes to drill a Well at the above location to a total depth of 6000. 300' of 13 3/8" surface casing will be set and cemented to surface, using regular cement. A intermediate casing string will be run and cemented if deemed necessary. If commercial production is obtained, 4 1/2" casing will be run from total depth or pay zone to surface and cemented. The estimated depths to the top of important markers are: Green River - Surface, Wasatch - 2500', Mesa Verde (Continental) - 3700', Mesa Verde and Mancos - 5300'. Side wall core will be taken at depths determined from logs, samples, gas analysis data, etc. Drill stem tests will be taken of all zones with prospective oil and gas shows. Deviation surveys will be taken every 400' or as needed. An electric induction log will be run from surface casing shoe to total depth, a Microlog - Caliper will be run of zones of interest, Gamma Ray - Sonic log with integrator will be run from surface casing shoe to total depth, and gas analyzer will be used from surface casing to total depth. Rotary tools will be used to drill the above well and a "Low Solids" mud will be used with chemicals as needed for control of contaminates. Oil will be added to the drilling mud if deemed necessary or benefical. If commercial oil or gas is encountered, casing will be set through any prospective horizons and perforated. Stimulation will be dependant upon type of pay zone encountered.

Plat of well will be forwarded to your office as soon as received from land surveyor.

October 21, 1959

Pan American Petroleum Corporation
P. O. Box 598
Craig, Colorado

Attention: L. A. King, Area Foreman

Gentlemen:

Re: Well No. Winter Ridge Unit 1,
Sec. 22, T. 15 S, R. 21 E, SLBM,
Uintah County, Utah.

Your attention is directed to Rule C-22, General Rules and Regulations and Rules of Practice and Procedure. Said rule provides for the submitting of a report of operations and well status report to the Oil and Gas Conservation Commission.

Your compliance with said rule is hereby requested.

We are enclosing some copies of Form OGCC-4, "Report of Operations and Well Status Report", for completion and return. For your convenience, Rule C-22 has been printed on the back of said form. Federal Form 9-329, Lessee's Monthly Report of Operations, may be used in lieu of Form OGCC-4.

Please note that if two legible copies, carbon or otherwise, of the report filed monthly with the United States Geological Survey on Form 9-329, are also filed each month with this Commission, it willlbe deemed compliance with Rule C-22, Paragraphs 1, 2, 3 and 4.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:cp

Encls. (Forms)

Form [illegible]a
(Feb. [illegible]51)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

	22		
	x		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. [illegible]
Unit Winter Ridge Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	x
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 26, 1959

Well No. 1 is located 1980 ft. from {N/S} line and 2080 ft. from {E/W} line of sec. 22

20' East of Cent SW Sec. 22 (¼ Sec. and Sec. No.) — T13S (Twp.) — R21E (Range) — 6th (Meridian)

Wildcat (Field) — Uintah (County or Subdivision) — Utah (State or Territory)

The elevation of ~~the derrick floor~~ KB above sea level is [illegible] ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pan American Petroleum Corporation drilled the above well to a total depth of 393' using a 17 1/4" bit and ran 375' 13 3/8" surface casing, landed casing at 390' RKB and cemented with 350 sacks regular cement plus 1 1/2% calcium chloride.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address Box 590
Craig
Colorado

By [signature]

Title Area Foreman

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah Field or Lease Winter Ridge Unit

The following is a correct report of operations and production (including drilling and producing wells) for October 30, 19 59.

Agent's address Box 595 Company Pan American Petroleum Corporation

Craig, Colorado Signed E. A. Gealer

Phone Taylor 4-6200 Agent's title Area Clerk

USA-Utah

State Lease No. ..... Federal Lease No. 020281 Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
Sec. 22 NE/4 SW/4	15S	21E	1					TD 6250 Plugged and Abandoned. Well spudded 9-13-59, abandoned 10-30-59. FINAL REPORT

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah
Lease No. USA-Utah 020281
Unit Winter Ridge Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 15, 19 59

Well No. 1 is located 1980 ft. from {N/S} line and 2000 ft. from {E/W} line of sec. 22

20' East of C NE SW Sec. 22 (¼ Sec. and Sec. No.) T15S (Twp.) R21E (Range) 6th (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor~~ RDB above sea level is 7404 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pan American drilled to total depth 6250' with no commercial show of oil or gas. Well spudded 9-13-59. Ran 375' 13-3/8" OSA 380" RDB. Cemented w 350 sax Regular plus 1-1/2% CACL. Plugged and abandoned 10-30-59.
Casing abandoned in place and well plugged as follows
45 sax cement plug 3698-3798
60 sax cement plug 2373-2473
45 sax cement plug 357-420 at surface casing shoe
15 sax cement plug at surface.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address P. O. Box 1031

Kimball, Nebraska

By L. A. Wilson

Title Area Superintendent

U. S. GOVERNMENT PRINTING OFFICE: 1958 O - 463339

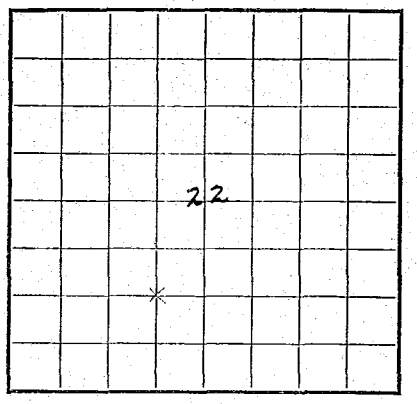
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Salt Lake City, Utah

Serial Number USA-020281

Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Pet. Corp. Address P. O. Box 1031 Kimball, Nebraska

Lessor or Tract Winter Ridge Unit Field Wildcat State ~~Nebraska~~ UTAH

Well No. 1 Sec. 22 T. 15S R. 21E Meridian 6th County Unitah

Location 1980 ft. {N./S.} of S Line and 2000 ft. {E./W.} of W Line of C NE SW Elevation 7392
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J. A. Welton

Date 11-19-59 Title Area Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 9-13-59, 19 Finished drilling 10-30-59, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ____ to ____ No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____

No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13-3/8	54.4	8RT	J-55	375	Howco				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	390'	350	1 plug		

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FOLD | MARK

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	390'	350	1 plug		

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6250 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

D. L. Horner, Driller C. G. Mallard, Driller

S. Madden, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2383	2383	Wasatch
2383	3593	2765	Mesa Verde
3593	5535	1942	Castlegate
5535	6250	715	Mancos

(OVER)

DEC 11 1959

FORMATION RECORD—Continued

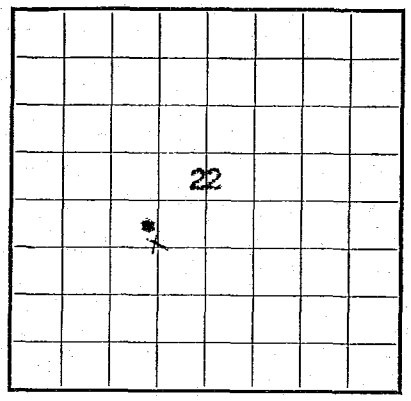
FROM—	TO—	TOTAL FEET	FORMATION
			Core #1 - 5442-5463 Rec. 21' Black SH,NS.
			DST #1 5540' - 5544' Tool open 1 hr 20 min, Shut in 30 min. Had weak blow for 15 min and then died. Misrun DST #2 5540' - 5544' Tool open 2 hrs. shut in 30 min. Rec 120' drl mud. Weak blow for 15 min and died. IHHP 2660#, FHNP 2660#, ISI BHP did not record due to 60' air chamber IFBHPO, FFBHP 50, FSIBHP 1275.
			TD 6250 PxA 10-30-59 45 sax sement plug 3698-3798 45 sax cement plug 357-420 15 sax cement plug & top of surface casing.

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE Salt Lake City, Utah
SERIAL NUMBER USA-020281
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
DEC 7 1959
CASPER, WYOMING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Pet. Corp. Address P. O. Box 1031 Kimball, Nebraska
Lessor or Tract Winter Ridge Unit Field Wildcat State Nebraska UTAH
Well No. 1 Sec. 22 T. 15S R. 21E Meridian 6th County Unitah
Location 1980 ft. {N./S.} of S Line and 2000 ft. {E./W.} of W Line of C NE SW Elevation 7392
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J. A. Sullivan
Date 11-19-59 Title Area Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 9-13-59, 19 Finished drilling 10-30-59, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from ____ to ____ No. 4, from ____ to ____
No. 2, from ____ to ____ No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____
No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13-3/8	54.4	8RT	J-55	375	Howco				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	390'	350	1 plug		

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____
Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FOLD | MARK

13-3/8	54.4	[illegible]	J-55	375	Howco					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	390'	350	1 plug		

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6250 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

____, 19____ Put to producing ____, 19____

The production for the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% emulsion; ____% water; and ____% sediment. Gravity, °Bé. ____

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

D. L. Horner, Driller C. G. Mallard, Driller

S. Madden, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2383	2383	Wasatch
2383	3593	2765	Mesa Verde
3593	5535	1942	Castlegate
5535	6250	715	Mancos

(OVER)

...—	TOTAL FEET	FORMATION
		Core #1 - 5442-5463 Rec. 21' Black SH,NS. DST #1 5540' - 5544' Tool open 1 hr 20 min, Shut in 30 min. Had weak blow for 15 min and then died. Misrun DST #2 5540' - 5544' Tool open 2 hrs, shut in 30 min. Rec 120' drl mud. Weak blow for 15 min and died. IHHP 2660#, FHNP 2660#, ISI BHP did not record due to 60' air chamber IFB P 0, FFBHP 50, FSIBHP 1275. TD 6250 PxA 10-30-59 45 sax cement plug 3698-3798 45 sax cement plug 357-420 15 sax cement plug & top of surface casing.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Alpine Oil Company, Inc.

3. ADDRESS OF OPERATOR: 722 Patterson Building, Denver 2, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NE SW of Section 22, (1980' FSL & 2000' FWL)

5. LEASE DESIGNATION AND SERIAL NO.: 020261

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Government

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Winter Ridge

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 22, T. 15 S., R. 21 E.

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): Kelly Bushing 7606' GR 7593'

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☒	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

I. Squeeze thru existing casing perforations 5660-5670, 5591-5[illegible], and 5570-5582' w/100 sks cement & displace by Plug Method to at least 5000'.

II. Perforate 2383-86 with 8 holes & cement via Plug Method 100 sks cement & displace to 1600'.

III. Squeeze 50 sks down 7" x 13 3/8" csg. annulus displacing with 2 bbls water.

IV. Cut off casing head & install dry hole marker, w/10 sx. plug in top of 7" csg. Notify the Salt Lake City Oil & Gas Dept. of the U.S.G.S. before commencing operations.

(See reverse side for formation tops)

Well Data: 13 3/8" 48# O.D. casing is set at 390' with 350 sx. cement. 7" OD 23# casing is set at 6253' with 300 sx. Top cement at 4850'. Existing perfs. as shown step I. above. Total depth 10,060' plugged back to 9345' in open hole w/ 140 sx cement Permanent type production packer is set at 6235' in 7" casing.

18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Bastian TITLE The Atlantic Refg. Co. DATE August 17, 196[illegible]

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY UTAH OIL AND GAS CONSERVATION COMMISSION

*See Instructions on Reverse Side

DATE: 9/2/64 by Paul W. Burchell

CHIEF PETROLEUM ENGINEER

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah

Lease No. USA Utah 038021

Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	X	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 23, 1961, 19

Well No. 1 is located 1980 ft. from {N/S} line and 2080 ft. from {E/W} line of sec. 22

20' East of
C NE SW Sec. 22 — T. 15 S., R. 21 E. — Salt Lake B & M

(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat — Uintah — Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 7604 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

See attachment

Approved NOV 2 1961

District Engineer

RECEIVED
BR. OF OIL & GAS OPERATIONS
OCT 25 1961
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Alpine Oil Company, Inc.

Address 720 Petroleum Building

Denver 2,

Colorado

CONDITIONS OF APPROVAL ATTACHED

By

Title President

GPO 9 18 507

Alpine Oil Company plans to enter the Pan American Petroleum Corporation #1 Winter Ridge Unit well and deepen it from its present total depth of 6250 feet to a maximum depth of 10,300 feet. The well presently has 13 3/8" surface casing set at 390 feet and 8 3/4" diameter hole below casing. Seven inch casing will be set at 6250 feet and cemented with 300 sax. The well will be deepened using rotary tools, and air or aerated mud as, a circulation medium. All shows of oil or gas will be tested. Deviation surveys will be taken at least each 500 feet. The expected possible pay zones would be the Dakota, Buckhorn at 9,800 feet and the Morrison at 9,900 feet. If commercial production is obtained below 6250 feet a 4½" liner will be set through the pay, cemented and perforated. If production is not obtained below 6250 feet, the well will be plugged back, at U.S.G.S. specifications, to 5,700 feet and the seven inch casing perforated at about 5,540-5,590 feet for an attempted completion at that depth. Stimulation will be dependent upon pay zone type encountered.

Plat of well site is attached.

(MINIMUM SAFETY REQUIREMENTS)

N O T I C E

1. Blowout preventer must be installed prior to drilling below the surface casing.
2. Blowout preventer must be tested a minimum of once each day.
3. Manual blowout preventer controls must be connected and be in good working order.
4. Escape line must be installed prior to drilling below the surface casing.
5. Escape line must be operational, i.e., equipped with carriage and properly secured.

UTAH OIL & GAS CONSERVATION COMMISSION

UNITED STATES GEOLOGICAL SURVEY

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County Uintah ~~Field or~~ Lease #1 Government

The following is a correct report of operations and production (including drilling and producing wells) for November, 1961

Agent's address 722 Patterson Bldg. Company Alpine Oil Company, Inc.

Denver 2, Colorado Signed [signature]

Phone AComa 2-3888 Agent's title President

State Lease No. ..... Federal Lease No. U-020281 Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
22 NESW	15S	21E	1	Drilling	- 0	0	0	Nov. 28-Landed shoe 6253' cem. 7" csg. with 300 sx. reg. + 1% $CaCl_2$. 12/6-Drilling w/air below 7776'

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Federal Land

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.

2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.

3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash, and salt.

4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of the U. S. Geological Survey, P. O. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.

5. Two copies of the log of this well on Form 9-330, or other acceptable form and when available two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator or completion of the well whichever is earlier.

6. The District Engineer, D. F. Russell, 445 Federal Bldg., Salt Lake City 1, Utah
PH. DAvis 8-2911, Ext. 433 shall be notified on Form 9-331a in triplicate giving thereon all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

U-020281

Approved NOV 2 1961

D. F. Russell

District Engineer

November 6, 1961

Alpine Oil Company, Inc.
722 Patterson Building
Denver, Colorado

Attn: Mr. Warren Sheridan, Landman

Gentlemen:

In a recent issue of the Utah Oil Report, we have noticed that you plan to rework Well No. Winter Ridge #1, Sec. 22, Township 15 South, Range 21 East, Uintah County, Utah. To date, we have not as yet received a copy of your notice of intention to rework.

Would you please complete the enclosed Form OGCC-1, or a legible copy of the U. S. Geological Survey Form 9-331a in duplicate and submit to this office as soon as possible.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES
RECORDS CLERK

AWG/cn
ENCL.

ACOMA 2-3888

ALPINE OIL COMPANY, INC.
EXPLORATION - PRODUCTION
722 PATTERSON BUILDING
DENVER 2, COLORADO

November 7, 1961

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

ATTENTION: Ann W. Glines, Records Clerk

Gentlemen:

Your letter of November 6, 1961, advised that you had not received a copy of intention to rework Well #1, Winter Ridge, Section 22, Township 15 South, Range 21 East, Uintah County, Utah. Enclosed are two approved copies of the U. S. Geological Survey Form 9-331a.

Will you kindly send us your rules and regulations affecting oil and gas operations in Utah, and any forms which you may require in this connection?

Thank you.

Very truly yours,

ALPINE OIL COMPANY, INC.

Helen Bugas

By Helen Bugas

Enclosures

November 9, 1961

Alpine Oil Company, Inc.
722 Patterson Building
Denver 2, Colorado

Attn: Mr. Warren Sheridan, President

Gentlemen:

This is to acknowledge receipt of your notice of intention to rework Well No. Winter Ridge Unit #1, which is located 1980 feet from the south line and 2000 feet from the west line of Section 22, Township 15 South, Range 21 East, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to rework said well is hereby granted.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

We are enclosing copies of our Rules and Regulations and of all of our different forms. However, two legible copies of the U. S. Geological Survey forms may be used in lieu of our forms at any time.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF:avg
cc: Don F. Russell, Dist. Eng.
U. S. Geological Survey

Enclosures

ACOMA 2-3888

ALPINE OIL COMPANY, INC.
EXPLORATION · PRODUCTION
722 PATTERSON BUILDING
DENVER 2, COLORADO

December 12, 1961

The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake 11, Utah

RE: Alpine Oil - Atlantic Refining
#1 Government - U 020281
Uintah County, Utah

Gentlemen:

In compliance with your Rule C-22, we submit herewith in duplicate report of operations and status of the subject well.

Will you kindly send us a supply of Form OGCC 4.

Sent 1961

Very truly yours,

ALPINE OIL COMPANY, INC.

Helen Bugas

By Helen Bugas

Enclosures

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 020281
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	X	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	X	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Dec. 23, 1961, 19

Well No. 1 is located 1980 ft. from {N/S} line and 2000 ft. from {E/W} line of sec. 22

NESW (¼ Sec. and Sec. No.) | 15 S (Twp.) | 21 E (Range) | S. L. B & M (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ K B above sea level is 7404 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Alpine Oil Company, Inc., proposes to plug back the subject well to approximately 7500'. T. D. is 9131'. The plug-back will be done in two stages: from 9130' to 8280', and 8280' to 7430'. A total of 200 sacks of cement and 188 sacks 20-40 sand plus 2% HA5 will be used. Reason for the plug-back is excessive deviation at 8250'. The Deviation is 36 degrees from vertical. At 7500' the deviation is 5 degrees from vertical. Alpine Oil Company plans to ~~X~~ redrill from 7500' to T. D. to straighten the hole.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Alpine Oil Company, Inc.

Address 722 Patterson Building

Denver 2, Colorado

By [signature]

Title President

GPO 862040

Form OGCC-1

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ..... ☐
State ..... ☐
Lease No. .....

Public Domain XX
Lease No. Utah 020281

Indian ..... ☐
Lease No. .....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of ~~Altering~~ Casing repair	X
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 28, 1961

Well No. 1 is located 1980 ft. from {XX S} line and 200 ft. from {XX W} line of Sec. 22

NESW	15S	21 E	S. L. B & M
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)

Wildcat	Uintah	Utah
(Field)	(County or Subdivision)	(State or Territory)

The elevation of the ~~derrick floor~~ K B above sea level is 7404 feet.

A drilling and plugging bond has been filed with .....

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

On December 9, 1961, 7" casing parted at 194' while drilling with air. A Baker Model "NC" bridge was set at 350'. Operator ran string shot, and attempted to back off collar at 263'. Instead of backing off, casing parted at 267'. Cut 7" casing at 312' with mechanical cutter. Ran spear and pulled casing from 267' to 312'. Ran tapered mill, and milled on cut. Ran in with Bowen ITCO casing bowl and 10 joints 309' 7" OD 23# N-80 LT & C smlss casing. Screwed bowl into 7" fish, and landed 7" in slips with 25,000# tension. Resumed operations December 20, 1961.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company Alpine Oil Company, Inc.

Address 722 Patterson Bldg.
Denver 2, Colo.

By Warren Sheridan

Title President

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 020281
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	X	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Jan. 15, 1962

Well No. 1 (Winter Ridge) is located 1980 ft. from {N/S} line and 2000 ft. from {E/W} line of sec. 22

NESW Sec. 22 (¼ Sec. and Sec. No.) | 15S (Twp.) | 21E (Range) | S L B & M (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 7404 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Verbal approval of January 7, 1961, for the following work on subject well:

1- Cement from TD of 10,060' to 9345' with 140 sacks reg. cement.
2- Set Baker Model "D" production packer at 6240'.
3- Perforate the Castlegate sands: 5570-5582, 5592-5600 & 5660-5670.
4- Frac the three zones with about 50,000 gals. 3% HCl solution, using 20-40 sand, 12-20 walnut shells & 7/8" ball sealers.

If the Castlegate produces dry gas, it will be produced through the annulus. The tubing will be lowered to sting through the production packer at ~~XX~~ 6240, and the gas from the fractured Mancos shale will be produced through the tubing. If the well is abandoned, a cement plug will be placed on top of the production packer at 6240, and the perforations in the Castlegate squeezed off. (See over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company ALPINE OIL COMPANY, INC.

Address 722 Patterson Bldg.

Denver 2, Colo.

By David M. Evans

Title Vice-Pres.

GPO 862040

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Form 9-331 a
(Feb. 1951)

(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 020281
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING & Frac.	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

To suppl. 1/15/62 Notice
January 20, 1962.

Winter Ridge Unit

Well No. #1 is located 1980 ft. from {S} line and 2000 ft. from {W} line of sec. 22

NESW — 15S — 21E — SLB & M
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat — Uintah — Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the KB above sea level is 7404 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Alpine Oil Company drilled the subject well to 10,060' TD. No shows were encountered in the Dakota-Buckhorn Series, and logs indicated the Dakota sand to be tight. Log tops: Mancos Shale, 5800'; Dakota Sand, 9516'; Morrison, 9717'. Plugged back 6¼" hole from 10,060' to 9345' with 140 sax regular. Spearheaded with 5 barrels gelled water, and flushed with 5 bbls water. Set Baker Model "D" production packer at 6235'. (7" csg at 6250') Ran cement bond log. Top of cement at 4858'. Perforated 4 jets/ft 5660'-5670', 5591'-5599', 5570'-5582' (Schlum. KB meas) Ran Baker full bore packer on 4½" csg, and set at 400'. Frac'ed down csg with 50,000 gal. 3% HCl solution, 1000# J-98, 30,000# 20-40 sand, 1450# 12-20 walnut shells in two stages. Dropped 100 7/8" balls in 4 drops of 25 each. BDP 2200 to 750, average pump pres. 1800, Max., 2150, Min., 1450. Ball action

(continued over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Alpine Oil Company, Inc.

Address 722 Patterson Bldg.

Denver 2, Colo.

By [signature]

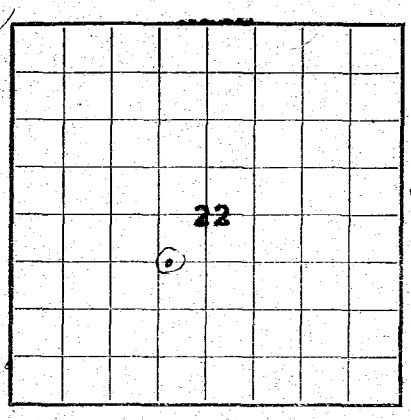
Title David M. Evans, Vice Pres.

GPO 862040

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE _____
SERIAL NUMBER 020281
LEASE OR PERMIT TO PROSPECT _____



T15S

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Alpine Oil Company, Inc. Address 722 Patterson Bldg., Denver, Colo

Lessor or Tract Gov't. Field Wildcat State Utah

Well No. 1 Sec. 22 T. 15S R. 21E Meridian SLPM County Uintah

Location 1980 ft. {N./S.} X of S Line and 2000 {E./W.} X of W Line of Sec. 22 Elevation 7404 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed D E A Johnson

Date _____ Title Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 11-16-61 See Summary December 4, 1961 Finished drilling 1-19-62 See Summary January 6, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5570 to 5582 (G) No. 4, from _____ to _____

No. 2, from 5591 to 5599 (G) No. 5, from _____ to _____

No. 3, from 5660 to 5670 G() No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13-3/8"	48#	8R	H-40	390	Guide				Surface
7"	23#	8R	N-80	6253	Guide		5570	5582	Prod'n
							5571	5599	
							5660	5670	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	390'	350	Pump truck		
7"	6253'	300 + 1% CaCl2	Pump truck		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1/2"	4" Gun	Shaped Charle	4/ft	1/9/62	5660-5670	

FOLD | MARK

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	390'	350	Pump truck		
7"	6253'	300 + 1% CaCl2	Pump truck		

PLUGS AND ADAPTERS

Heaving plug—Material .... Length .... Depth set ....

Adapters—Material .... Size ....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
1/2"	4" Gun	Shaped Charle	4/ft	1/9/62	5660-5670	
1/2"	4" Gun	Shaped Charle	4/ft	1/9/62	5591-5599	
1/2"	4" Gun	Shaped Charle	4/ft	1/9/62	5570-5582	

TOOLS USED

Rotary tools were used from 6250 feet to 10,060 feet, and from 0 feet to 6250 feet

Cable tools were used from .... feet to .... feet, and from .... feet to .... feet

DATES

............, 19...... Put to producing ~~Shut In~~ [illegible] 6-13-62, 19......

The production for the first 24 hours was .... barrels of fluid of which ......% was oil; ......% emulsion; ......% water; and ......% sediment. Gravity, °Bé. ....

If gas well, cu. ft. per 24 hours .... Gallons gasoline per 1,000 cu. ft. of gas ....

Rock pressure, lbs. per sq. in. ....

EMPLOYEES

............, Driller Drlg. Contractor: Nye Drilling Co, Driller

............, Driller Doyle Clark, Pusher, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	2383	2383	Green River
2383	3708	325	Wasatch
3708	5802	2094	Mesaverde
5802	9172	3370	Mancos
9172	9427	255	Frontier
9427	9516	89	Dakota Silt
9516	9654	138	Dakota Sand
9654	9717	63	Buckhorn
9717	10,060 (TD)	343	Morrison

16—48094-4

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

No open flow potential was run.
Operations temporarily suspended June 13, 1962.
See attached well history.

A L P I N E O I L C O M P A N Y, I N C.

ALPINE-ATLANTIC-GOV'T No. 1

NE SW Sec. 22, Township 15 South, Range 21 East

Uintah County, Utah

D.E.A. Johnson
March 5, 1962

I N D E X

WELL SUMMARY

Operator: Alpine Oil Company, Inc.

Well: Alpine-Atlantic Gov't. #1

Location: NE SW, 1980 NSL - 2000 EWL, Sec. 22, Township 15 South, Range 21 East, SLM, Uintah County, Utah

Elevation: 7392 Ground 7404 K. B.

Dates: Started CO: 11/16/61 Ran 7: csg. - 11/28/61
Reached TD: 1/5/62 Released Rotary - 1/19/62

Contractor: Nye Drilling Co. Rig: National 50

Depths: 10,060 T. D. PBD: 9345 (cement plug)
6235 (production pkr.)

Casing: Surface: 13-3/8" 48# H-40 @ 390' K.B. w/350 sx.
Production: 7" 23# N-80 @ 6253' K.B. w/300 sx.

Tubing: Production: 2-7/8" 6.5# J-55 EUE @ 5550' K. B.

Formation Tops:

Formation	Depth	Datum
Green River	Surface	-
Wasatch	2383	+5021
Mesaverde	3708	+3696
Castlegate	5532	+1872
Mancos	5802	+1602
Frontier	9172	-1768
Dakota Silt	9427	-2023
Dakota Sand	9516	-2112
Buckhorn	9654	-2250
Morrison	9717	-2313
T. D.	10,060	-2656

Perforated Zones:

Interval	Type Charge
5660-5670	4/ft. - 4" shaped charge (jet)
5591-5599	" " " " "
5570-5582	" " " " "

Stimulation:

Zone	Treatment
three zones fraced together	50,000 gals. 3% HCl solution - 30,000# 20-40 sand - 1450# 12-20 walnut shells - 100 7/8" balls

IPF: _____ AOF Formation: Mesaverde

CHRONOLOGICAL HISTORY

Date	Depth	Remarks
11/6/61-11/8/61		MIRT
11/9/61-11/12/61		MI & RURT
11/13/61		Broke tower.
11/14/61		Finished rigging up.
11/15/61		Started drilling rat hole 10 P.M.
11/16/61		Finished drlg. rat hole 10 A.M. Finished drlg. mouse hole 4 P.M.. Drld. 2' cement in the top of the sfc. csg. (18-20').
11/17/61	COD 961	Drld. solid cem. plug in the bottom of the sfc. csg. (380-435). Circ'd. 15 min. Found alternating cem. plugs & mud for another 30'. Lost returns for 10 min. after drlg. out below cem. at 465'. Circ'd. & worked 2 jts. DP without touching anything. Picked up & ran 15 jts. without touching anything. Broke circ'n. & conditioned hole for 30 min. @ 961'. Pulled up and stood back Kelly to pick up DC from ground. Shut down 3/4 hr. Pipe stuck at 920'. Could not move up or down. Hole circ'd. OK. Circ'd. & tried to work pipe 8 A.M. to 7 P.M. Pulled 100,000#. McCullough ran Magnatector - found pipe stuck at top of DC's (650'). Tried to jar w/jars at surface - Not enough weight to close jars.
11/18/61	961	Picked up 9 DC's. Circ'd. ½ hr. Ran Magnatector & found pipe stuck 605-620'. Ran string shot & backed off at 590'. Ran Bumper sub & jars and screwed back into DP. Circ'd., bumped & jarred fish for two hrs. but could not work free. Called for washover pipe. Backed off fish & conditioned hole. WO wash-over pipe 3P.M. to midnight.
11/19/61	961	Circulated & WO washover pipe until 3 A.M. Ran 183' 8-1/8" N-80 washover pipe (turned down from 8-5/8"). Washed over 183' of fish to 773' (2 jts. DP & 4 DC's). Mud vis. 95-240. Circ'd. 2 hrs.

CHRONOLOGICAL HISTORY (continued)

Date	C.O.D.	Remarks
11/20/61	961	Tripped out. Stood back wash pipe. Ran jars and screwed back into fish. Could not jar loose. Ran Magnatector to locate free-point - did not operate. Ran string shot to back off at 738' - first run didn't back off - not enouch back torque. Backed off on second run. Pulled up 5' & ran collar locator. Collar at 711' came in 5' high, indicating pipe backed off at 738'. Tripped out. Stood back fish & went in w/183' washover pipe. Washing was normal from 770' to 870'; then it became slow and hard.
11/21/61	961	At 908 pipe started washing down free. At this point fish fell down the hole. Followed fish with one single (to 950) without touching it. Tripped out. Stood back wash pipe. Went in with sub-bumper & jars and screwed into fish. Fish had fallen 70' to 990. Pulled up 3 stands and broke circulation. Pulled out. Layed down wash pipe and 15 DC's. Started in with 3 DC's (bumper sub & jars on top of 1st DC). Started taking wt at 450. Circulated and worked pipe through tight spots.
11/22/61	2425	Shut down 3 hrs. working on motors. Worked pipe to 890 with stands in derrick. Picked up 5 singles breaking circulation on each joint. Hit bridge at 990 - depth at which fish stopped. Hit bridges with every joint to 1187. Cleaned out to 2295. Drilled cement 2295-2425.
11/23/61	3733	Viscosity rose from 127 to 243 while drilling cement. Conditioned mud. Viscosity 95, weight 8.8, WL 7.6. Cleaned out fairly easily 2425-2620. Bridge drilled hard 2620-2670. Cleaned out to 3733 - top of cement plug #1. Tripped out to condition hole. Tight spots at 2300 where plug #2 had been drilled out. Worked pipe through tight spots with kelly.
11/24/61	4362	Had tight spots all through Green River but worked through without putting kelly on. Bit OK. Took weight most of the way back in but did not need kelly to get through tight spots. Drilled cement plug #1 3733-3830. Hole caved badly at 3920-3965 while

Date	C. O. D.	Remarks
11/24/61 (continued)	4362	cleaning out at 3980. Worked pipe for 5 hrs. to clean up interval (could go down but not up). Sands at 3890-3918 and 3936-3962; shale at 3918-3936 from E-log. Mud weight 9.5, viscosity 117, WL 9.0, FC 3 pH 11.5 Cl 5100 gels 2 and 20.
11/25/61	6250	Cleaned out to 5340 by 8 AM - no bridges or cavings below the top of the Mesaverde. Finished cleaning out to 6250 at 4 PM. Circulated and conditioned mud 4 hrs. Mud weight 10.0, viscosity 90, WL 4.8, pH 11, gels 0&10, Cl 9500. Tripped out. Tight spots at 4060, 3880, 3700, and 3500.
11/26/61	6250	Pulled slightly at 2300 and 900 (10,000#). Tripped back in - worked pipe at tight spots encountered on trip out but did not touch anything. On bottom 9 AM - bit plugged. Tripped out and mixed mud.
11/27/61	6255	Broke circulation 3 times going in - did not touch anything. Circulated ½ hr. - drilled 5' (6250-6255) - circulated 1½ hrs. Tripped out and rigged up to run casing. Started running casing 4 PM.
11/28/61	6255	Ran 195 jts 6274' 7" O.D. 23# N-80 8R LT&C seamless casing. Landed shoe at 6253 KB, float collar at 6219. Cemented w/300 sx reg. + 1% $CaCl_2$. Plug down 9:40 AM. Centralizers at 6245, 6215, 6155, 6060, 5704, 5636, 5572, 5507, and 5409. Scratchers at 6250, 5690, 5670, 5638, 5620, 5603, 5588, 5572, 5556, 5450. WOC. Cleaned mud pits, jetted cellar and worked on pump.
11/29/61	6255	WOC. Set slips in full tension (110,000#), cut off 7" casing, nippled up, laid down DC's and 4½" DP.
11/30/61	6255	WOC. Finished laying down 4½" DP. Removed BOP. Hooked up AC lightplant, put 3½" DP on racks, nippled up 10" BOP and rotating head.
12/1/61	6255	Picked up 8 4-3/4" DC's, laid air line from compressors to standpipe, laid blooie line. Went in 1,000' to start blowing water out of hole.

Date	C. O. D.	Remarks
12/2/61	6255	Blew hole every 1,000'. Hit cement at 6150 (70' cement on top of wood plugs). Bit plugged. Pressured up with air to 1400 psi. Could not circulate. Tripped out.
12/3/61	6255	Found cement in bottom std of DC's. Cleaned out bit and DC's and tripped in. (Contractor did not have float for 4-3/4" DC's). Blew hole at 5250, 5700, 5970, 6060, and then started blowing every single. Bit plugged again at 6160. Tripped out. Cleaned cement out of bit and bottom DC.
	Depth	Installed float and tripped in.
12/4/61	6626	Blew hole dry at 6040 (no fluid). Cleaned out every 30'. Drilled 56' cement (6160-6216) on top of float collar. Drilled wood plugs and float collar at 6220. Dried up casing. Drilled shoe at 6253 - never stopped dusting. Drilled ahead with Reed 6¼" Cobra YCG bit, 12,000# weight, 120 RPM, 1500 CFM, 140 psi at 200 deg.
12/5/61	7478	Drilling at 6906 at 9 AM. At 4 PM reduced RPM to 70 and weight from 12,000# to 10,000#. Penetration rate increased from 2 min./ft. to 1 min./ft.
12/6/61	7973	Had slight show of gas at 7685. Drilled to 7781 - bit started torqueing up. Penetration rate slowed to 5 min./ft. Tripped out. (Contractor did not have Totco on location). Dust slightly moist on bit - many buttons gone, part of one cone gone. Small indentation in bottom of 1st DC with slag spewed up DC for about 2' - indication of small bottom hole explosion. Flew out bit sub. and gas drilling float. Laid down bottom DC and tripped in with Reed Cobra YCG bit. Gas flared for 4 min. when air first turned on - no fluid but samples moist. Put booster on to reduce air temperature. Input temp. 40 deg. - compared to 200 deg. F. w/o booster. Lowered input temperature to reduce possibility of down hole explosion. Resumed drilling 7:45 PM. Still had not taken deviation because contractor did not have Totco.

Date	Depth	Remarks
12/7/61	8339	Drilled to 8290 by 8 AM - 10,000 # wt., 45 RPM, 170 psi air pressure, 1500 CFM at 40 deg. Drilled slow at 8140 and 8245. Deviation at 8303, 6 deg. - max. reading of instrument. Drilled to 8339 - pressure rose from 150 to 290 psi. Ran another Totco deviation 12 deg. - max. reading of instrument. Could not cir. air at 600 psi. Tripped out. Found bit plugged with wire brush. Shut down 4 hrs. working on boiler and thawing lines. Flues in boiler leaked so badly it could not be filled with water. Started back in with Hughes RG7-J (2 - 7/8" jets - 1 blank).
12/8/61	8720	Drilled to 8439 - dusting good - 140 psi at 40 deg., 5,000# weight, 60 RPM. Ran another Totco at 8600; deviation 14 deg. - max. reading of instrument. Reduced weight on bit to 3,000# - average drilling rate - 8 min./ft. Increased weight to 7,000# - drilled 6 min./ft.
12/9/61	9131	Increased weight to 9,000# - drilled 1 min./ft. Booster went down at 5 AM. At 8 AM drilling at 9013 with 9,000# weight, 60 RPM, 1400 CFM, 170 psi at 200 deg. Flare burned continuously below 9075. Booster on at 10 AM - inj. temp. back down to 40 deg. F. Gauged a volume of 2400 MCF/D coming out of blooie line - air input 2000 MCF/D - gas volume 400 MCF/D. Drilling rate slowed to 5 min./ft. from 9117 to 9131. Tripped out. Bearings gone from one cone. Pulled bit and stripper rubber above BOP and tried to close blank rams.
12/10/61	9131	Gas continued to blow out rotating head. Changed bit and stripper rubber. Started back in but could not get below blank rams. The 7" casing had come up the hole and been crimped by the blank rams. Removed bit - DC's went through crimp OK. Waited on Schlumberger 5 AM-6 PM. Ran Gamma-Gamma log and collar locator. Tool would not go below 229. Casing parted in collar at 196'. Shut rig down 9 PM to winterize.

Date	Depth	Remarks
12/11/61	9131	Shut down - winterizing.
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12/14/61	9131	Resumed operations 5 PM. Went in and grabbed casing with casing spear. Casing slips would not come through 12" x 10" spool. Picked up BOP assembly to get slips out. Pipe jumped up - one slip fell down the hole - recovered the other two slips.
12/15/61	9131	Pulled 7" casing above break. Recovered 6 jets. Casing had parted just above thrds on bottom of 6th jet. Calipered bad jet top and bottom 6.375" (I. D. should be 6.366"). Ran magnet to try to retrieve slip - no recovery. Schlumberger ran collar locator with tape ring built up to 6". Could not get past 204' - top of parted 7" casing. Pulled out and removed tape (instrument OD 3-5/8"). Stopped at 374' - outside 7" - slip probably at that depth. Locator picked up double collars (7" & 13-3/8"). Ran mill to smooth up ragged edges on Dutchman looking up. Ran 1-3/4" OD collar locator through DP and through mill - into 7" casing. Ran locator to 6260 - collars looked OK from 6254 to top of 7" at 204'. Laid 2" bleed off line and closed blank rams. Gauged 240 MCF/D. W O overshot 9 PM-Midnight.
12/16/61	9131	DiaLog arrived 4 AM with overshot but did not have bowl. Flew bowl out at 8 AM. Ran overshot on 7" casing and tied into 7" casing looking up at 204. Schlumberger ran directional survey. Stopped at 9045 - probably from excessive hole deviation - no evidence of fluid. Results of directional survey:

Depth	Dev.	Direction	Horiz. Dist. Fr. Location
7000	2-3/4°	210° azm.	
7500	5	200	
7750	9	180	
8000	21	240	
8250	36	260	256' S67½°W
9000	36 +	240	702' S79°W

Date	Depth	Remarks
12/16/61 (continued)	9131	At 9,000' the vertical depth was equivalent to 8805'. Schlumberger set Baker Model N top drill out bridge plug at 350 KBM. DiaLog ran string shot to back off collar at 263. String shot 6' long - hung 3' above collar and 3' below. Pulled 7" casing and laid down overshot. Instead of backing off in collar at 263', pipe parted at 267 - 4' below the collar.
12/17/61	9131	Went in with inside cutters and cut pipe at 320'. Ran in with spear but could not pull fish - spear would not get a good hold. Ran overshot. At first it would not go over dish. Finally got a hold on the fish and pulled 20,000 #; came out with a patch of pipe plus 1 piece 2' long that was split lengthwise. It looked crystallized. Needed new bowl for overshot and part for spear. WO tools 3 PM to 2 AM.
12/18/61	9131	Ran Flat bottom 6-1/8" mill inside 7" casing. Hung up on collar and 296 and on cut at 302. Fell free from 302 to bridge plug at 350. Pulled mill. Worn on outside. OD down to 6-1/16" had 4" ring on bottom. Went in with cutters. Could not get past old cut at 302. Ran guide string (7" casing with 9-5/8" guide on bottom). Ran tapered mill. Milled at 297 and 302. Guide casing worked down hole 2' - had to weld extension on guide casing to re-center over 7" fish. Went in with tapered mill - ran free to 315. Went in with mechanical cutters and cut 7" at 312. Went in with spear - could not get past top of fish at 267.
12/19/61	9131	Pulled spear and guide casing. Went in with 8½" overshot. Pulled overshot and went in with spear (and homemade guide). Stabbed 7" casing and pulled fish above cut at 312. (Found that cut at 292 had been made outside 7" casing). The overshot had not gone over the 7" fish because

Date	Depth	Remarks
12/19/61 (continued)	9131	an 18" section of 7" pipe had split and wedged over the 7" casing looking up. The split section looked crystallized. Went in and milled top of fish 6". Pulled out and ran Bowen Itco casing bowl on 10 jts 308.81', 7" OD 23#, N-80 LT&C seamless casing. Screwed bowl into 7" looking up. Landed 7" casing in slips with 25,000 # tension. (Bad jts of casing marked " 7 - 23 lbs. - N S - National USS - 133782 - 114035 M51A - 3011"). Cut casing 4¼" above 12" flange. Installed packing and flanged up BOP. Ran magnet and picked up small cuttings and filings.
12/20/61	9131	Ran in with Sec H7W 6¼" bit to 349 - top of bridge plug. Dried up csg w 1 compressor and then put booster on to cool air to 40°. Started drlg bridge plug @ 350. Gas surfaced after drlg 3" of plug. Est'd 20 MMCF. Blew kelly, 1 stnd & 1 single of DP, & 7 DC's out of the hole. Blew wild for ½ hr. Started up 1 compressor for air press & shut blank rams on BOP. Shut down for repairs. Gauged 224 MCF/D.
12/21/61	9131	Shut down for repairs to kelly & crown.
12/22/61	9131	Shut down for repairs to kelly & crown.
12/23/61	9131	Drld bridge plug @ 350 (1:30-8:00 PM). Followed plug to 470 - hung up once @ 400 and then fell free after turning pipe w tongs. Pulled out & laid down DC's & removed bit. Went in w float on bottom & pushed plug to 9131.
	C.O.D.	
12/24/62	6170	Plugged back to 7310' in two stages using total of 200 sax Ideal plus 188 sax 20-40 (50%) sand plus 2% HA 5. Spearheaded both plugs w 4 bbls gelled water & followed both plugs w 2 bbls water. Pulled up & blew pipe clear w air @ 6850. Pulled up into csg @ 6114 & circ'd air 3 hrs. Ran in & found cement @ 6612. Pulled out - bottom 26 stnds plastered w wet cement. Bottom joint plugged. Laid down 13 jts DP (junk pipe picked up for cementing). Ran in w Security H7W 6¼" bit, 2 4¼" DC's. Hit

Date	Depth	Remarks
1/3/62 (continued)	9763	Drld to 9763. (Top Buckhorn 9654 - top Morrison 9717).
1/4/62	9950	Increased RPM from 45 to 65. Ran out of fuel at 4:AM while drlg @ 9817. WO butane 11 hrs (4:AM-3:PM). Circ'd 800 CFM while WO butane. Resumed drlg 3:PM - hole in good shape. 3° @ 9810. Carried 16,000# wt 65 RPM 1400 CFM 150 psi @ 55° F. Gauged 246 MCF/D gas while WO butane.
1/5/62	10060	Reached TD 6:AM. Tripped out. Ran Induction, GR/N, Temp Survey. Schlum TD 10,067.
1/6/62	10060	Attempted to run Gamma-Gamma/Density for porosity but tool was inoperative. Ran correlation log for perforating. Finished logging 9:30 AM. Temp survey showed 95% of the gas coming in at 7790. WOO.
1/7/62	10060	WOO Mid-1:PM. WO Halliburton 1:PM-Mid.
	P.B.D.	
1/8/62	9345	Halliburton arrived location 1:AM. Went in w open-ended DP (float on bottom) (and WO DEAJ 3 hrs). Cemented w 140 sax reg w DP hanging @ 9110. Spearheaded w 5 bbls gelled water & flushed w 5 bbls water. PBD 9345. Pulled up into 7" csg & laid down 3½" DP.
1/9/62	6235	Schlum ran ring gauge-junk basket to 6248. Checked collar @ 6219. Set Baker Model "D" Production packer @ 6235 KB. Filled hole w 2% $CaCl_2$ water. Ran Cement Bond Log. Top cement @ 4858 - good bonding 5658-5670, fair bonding 5570-5600. Perf'd 4 jets/ft 5660-5670, 5591-5599, 5570-5582. Removed studs & bolts on BOP. WO tbg spool & 6" BOP.
1/10/62	6235	BOP arrived 3:AM (13 hrs from Vernal). Removed rotating head & 10" BOP. Installed tbg spool & 6" BOP w 4½" rams. Ran Baker full bore packer, 1 - 10' tbg pup, 12 jts 4½" OD 11.60# J-55 387' csg. Hung pkr @ 400' (7" collars @ 386 & 418). Hauled water & waited on daylight to frac.
1/11/62	6235	Press'd up on perfs (before settin pkr) w 2200 psi. Broke to 750 psi. Set pkr @ 400' KBM & press'd up 500 psi on annulus. Fraced

Date	P.B.D.	Remarks
1/11/62 (continued)	6235	w 50,000 gallons 3% HCl sol'n (29,190 ppm Cl), 1000# J-98 (20#/1000 gal - gelling agent, friction reducer, fluid loss additive, etc), 30,000# 20-40 sand (0.8#/gal), 1450# 12-20 Walnut shells in two stages (0.1#/gal). Dropped 100 7/8" balls in 4 drops of 25 each. BDP 2200 to 750 psi. Avrg pump press 1800 psi - max 2150 - min 1450. Ball action good (100 to 200 psi increase as each drop hit). Avrg inj rate 30.5 BPM - max 32 - min 25. Underflushed 6 bbls because of ice in tanks. Flush away 12:56 PM. Instantaneous press 1200 psi - 1050 psi after 15 min. Let stand 45 min. Bled off to zero in ½ hr. Pulled 4½" csg & full bore pkr. Started running tbg.
1/12/62	6235	Finished running tbg in the following order: Detail (from bottom up) — Length — Depth (KB) Production Tube 5.56' 5641.84' Locator sub & Seal assem. 3.17 5636.28 One joint 2 7/8" tbg 30.64 5633.11 Seating Nipple 0.50 5602.47 184 jts 2 7/8" EUE J-55 5589.97 5601.97 KB to Donut 12.00 0.00 Started swabbing 1:PM. Fluid level 1000' from surface (BHP 2000 psi). Swbd 60 bbls by 5:PM. Lowered FL 200'. Shut down 3 hrs (to "borrow" 3" flow tee from Loffland rig). Started getting small flare of gas ahead of each pull at 10:PM. Total recovery @ midnight 100 bbls. (1637 bbls used in frac.)
1/13/62	6235	8:AM - total recovery 180 bbls. FL @ 2000' - swbg from 4000' - slight increase in gas. 8:PM total recov 280 bbls. Gas continued to increase slightly but still only small flare ahead of swab. FL @ 2000' - swbg from 4000'. Total recov @ midnight 320 bbls. FL 4200' - swbg from 5200.
1/14/62	6235	Fluid level continued to drop to 4800. Swbd from 5500. At 3:30 A, started pulling swab once hour - 300' fill up. Gas decreased. Green scum of oil increased. At 8:AM total recov 350 bbls. Csg Press 100 psi. Pulled 3 jts tbg (91.22'). Detail — Depth (KB) Production Tube 5550.62' Locator sub & Seal assem. 5545.06 Seating Nipple 5511.25

Date	P.B.D.	Remarks
1/14/62 (continued)	6235	Pulled swab from 5500' - rec 200' fluid. Checked swab cups - found piece of wood under lower rubber Pulled swab from 5400' w FL @ 2000' - had full load - increase in gas. Total recov @ 8:PM - 425 bbls. Gas started following swab. CP 75 psi - pH 5.0. Total recov @ mid - 485 bbls. CP 250 psi. FL dropped to 3000' and then came back up to 2000'.
1/15/62	6235	8:AM - total recov 605 bbls. CP 450 psi. Est'd 50 MCF/D following swab pull. FL 2000' - pulling from 5400'. Caught Sample #1.

Rw	0.97 @ 120° F
pH	5.5
Chlorides	34,000 ppm
Calcium	6,000 ppm
Carbonates	none
Bi-carbonates	trace
Sulfates	15 epm

FL down to 2500 @ 3:PM - gas increased slightly - CP 550 psi. At 6:PM well flowed an est'd 250 MCF/D following swab - CP 600 psi - FL 3500. At 7:30 PM well unloaded following swb. At 8:30 PM well flowed an est'd 2 MMCF/D immediately following swb. Shut in to build up press. Total recov 800 bbls - out of 1637 used in frac.

1/16/62 — 6235

SI to midnight (3½ hrs.) CP 600 psi - TP 350 psi. Well blew down to 100 MCF/D in 10 min - did not unload. Resumed swbg. Well did not blow as hard between swbs as before SI. Swbg unit broke down 5:AM. Clutch would not engage - yoke worn out. (Operated until 7:AM w crow bar). Total recov @ 7:00 AM 910 bbls - FL 3500' - CP 675 psi. Caught sample #2:

Rw	0.90 @ 120° F
pH	5.5
Chlorides	23,000 ppm
Calcium	6,000 ppm
Carbonates	none
Bi-carbonates	trace
Sulfates	15 epm

Resumed swbg 12:noon. FL 2800 on 1st run - 3500 on second run. Very little gas following swbs. At 4:45 well unloaded following swb. Blew 3-2 MMCF/D for one hr w very heavy spray of water. Died to est'd 500 MCF/D after one hr. CP dropped from 750 to 525 psi during flow period. SI 2 hrs (6-8:PM). CP 600 psi. Opened tbg - did not unload - initial flow gauged @ 2530 MCF/D - died to

Date	P.B.D.	Remarks
1/16/62 (continued)	6235	500 MCF/D in ten min. Swbd 8-11:PM. Well unloaded following swab. Flowed ½ hr 2830-2060 MCF/D w very heavy spray of water. CP dropped from 600 to 550 psi. SI 11:30 PM. Total recov 1090 bbls.
1/17/62	6235	SI 4 hrs (to 3:30 AM). CP 650 - TP 475 psi. Opened well but it did not unload. Swbd 4:30-5:30 AM when clutch plate locked. SI 8:AM-6:PM 10 hrs. CP 900-TP 500 psi. Dropped 2 swb sticks (gift from Dowell). Waited ½ hr and opened tbg - did not unload. SI 6:30 PM.
1/18/62	6235	Finished working on Loffland swbg unit @ 6:AM. (Could not repair Caldwell & Covington unit). After 11½ hr SI CP 1125 - TP 660 psi. Flowed as follows:

Time	CP	TP	Remarks
6:03A	1125	660	Opened tbg full open (2")
6:08	1125	0	Started unloading foamy water.
6:12	1100	200	Flowing heavy stream of water - donut blew out - closed tbg rams & flowed well
6:33	850	200	Flowed gas @ 3780 MCF/D w strong mist of water.
7:03	600	65	Gauged 2630 MCF/D
7:33	550	25	Gauged 1790 MCF/D
8:03	450	0	Loaded up

Bled csg press off in one hr and pulled tbg up to inspect donut. Rubber packing gone. WO rubber packing & adjustable choke 1 hr. Relanded donut - tightened dog nuts - removed BOP - installed X-mas tree & rigged up to resume swabbing.

1/19/62 — 6235

Started swbg w Loffland's unit 1:AM. FL 1200' Swbd est'd 100 bbls in 6 hrs - total recov @ 7:AM 1400 bbls. FL 3000' - gas started following swab. CP 550 - SI 7:AM. At 12:noon CP 800 - TP 400 psi. Opened tbg - did not unload. Pulled swb 3 times - lowered FL from 2200 to 3000' - well unloaded. Let CP drop from 800 to 700 psi then shut well in (2:PM). After 6 hrs SI (8:PM) CP 975 - TP 865 psi. Flowed well as follows:

Time	CP	TP	Remarks
8:00P	975	865	Opened well on 1" Choke
8:05	975	100	Fluid up - solid stream water
8:20	850	300	Gas w heavy mist - SI

Total recov est'd @ 1450 bbls out of 1637 used in frac. Rig released 12:midnight.

Date	P.B.D	Remarks			
1/20/62	6235	At 6:AM (after 10 hr SI) CP 1150 - TP 1110 psi.			
		Time	CP	TP	Remarks
		6:15A	1150	1110	Opened tbg on 24/64" choke Flowed 2½-3 MMCF/D
		6:30	1100	500	Fluid up - burned fine mist of oil for 30 sec then flowed solid stream of water. Opened choke to ½".
		6:40	1050	600	Solid stream of water changed to heavy spray with gas.
		6:43	1000	550	Heavy spray changed to mist.
		6:45	950	500	SI
		12:15P	1100	1010	SI 5½ hrs. Opened tbg on 32/64" choke.
		12:23	1050	250	Fluid up - burned fine mist of oil for 10 sec. Unloaded water in solid stream.
		12:28	975	500	Solid stream changed to hvy spray. Reduced choke to 18/64".
		1:15	925	425	Pressures stabilized - gauged 1630 MCF/D - flowed spray of water in heads. SI.
		7:15P	1090	935	SI 6 hrs. Opened on 64/64"
		7:22	1040	50	Fluid up - small amount of oil followed almost immed. by solid stream of water.
		7:25	1010	600	Solid stream changed to spray of water - SI.
		Est'd total recov 1535 bbls of frac water (1637 used)			
1/21/62	6235	7:00A	1200	1175	SI 11½ hrs. Opened on 1" chk.
		7:05	1100	300	Fluid up - flowing hvy spray water in heads.
		7:10	1025	450	Spray turned to mist - SI.
		12:20P	1150	1075	SI 5 hrs. Opened on 64/64".
		12:25	1125	350	Fluid up - solid stream water.
		12:29	1100	450	Flow changed to hvy mist. Reduced chk to 18/64".
		12:40	1010	525	Gauged 1950 MCF/D. Well started heading slightly.
		1:00	1010	525	SI.

Date	P.B.D.	Remarks

1/21/62 (continued) — 6235

Time	CP	TP	Remarks
8:00P	1150	1025	SI 7 hrs. Opened on 32/64".
8:07	1075	-	Fluid up - solid strm water
8:10	1050	-	Tbg gauge frozen. Flow changed to very hvy mist. SI

Est'd total recov 1565 bbls water.

1/22/62 — 6235

At 7:50 AM (after 11 2/3 hrs SI) CP 1190 - TP 1140 psi.

Time	CP	TP	Remarks
7:53A	1190	1140	Opened tbg on 64/64" chk.
7:58	1125	50	Fluid up - very small amount of oil then solid strm water.
8:00	1100	650	Flow changed to spray of water - reduced chk to 18/64".
8:05	1090	600	Gauged 1930 MCF/D - flowing light spray water in heads.
8:45	1000	500	Gauged 1450 MCF/D - flow as above.
9:00	1000	500	Gauged 1450 MCF/D - press's stabilized - flow as above.
9:01	1000	450	Opened chk to 24/64" - gauged 2310 MCF/D - flowing spray in heads.
9:45	930	375	Gauged 1930 MCF/D - flowing spray of water in heads.
10:00	930	375	Gauged 1930 MCF/D - press's may have stabilized - flow as above.
10:01	930	300	Opened chk to 32/64" - gauged 2530 MCF/D - flowing strong spray of water.
10:30	790	280	Gauged 2740 MCF/D - flowing as above.
10:45	760	230	Flowing as above.
11:00	750	200	Gauged 2530 MCF/D - press's not stabilized. SI.

Caught Sample #3 during this flow test. Results:

Rw	0.096 @ 120° F
pH	5.5
Chlorides	12,000 ppm
Calcium	2,100 ppm
Sulfates	trace
Carbonates	none
Bi-carbonates	250 ppm

1/23/62 — 6235 — Shut in to tear down rig and move off location.

Date	P.B.D.	Remarks
1/30/62	6235	CP 1140 - TP 1075 psi. Opened tbg @ 10:07 AM. Did not flow. Well loaded up w water.
1/31/62	6235	Tried rocking well & flowing thru csg - still dead.
2/2/62	6235	Moved in & rigged up swbg unit.
2/3/62	6235	Started swbg 10:AM. CP 250 - TP 0 psi. Fluid level 2300'. First pull 75% foamy water (from swab sticks). 2nd pull gas cut water w some gas following swab. 3rd pull highly gas cut. SI 1-2:PM. Swbd 2-6:PM - gas started following swab pull w strength @ 6:PM. Shut down because of darkness. CP 400 psi.
2/4/62	6235	At 8:AM CP 500 - TP 240 psi. FL 3000' from surface. At 12:noon flow character same as at 6:PM previous night. Gas followed swb - top of fluid very slightly oil cut. Between 12 & 1:PM started getting slight cut of mud on tail end of swab run. CP 500 psi - no increase during 5 hrs of swbg. SI 1-2PM. CP 525 psi. Made 3 swb runs - CP 525 psi. Unloaded behind 4th run. Let flow until it loaded up and died. Made one run & shut well in while it was still unloading. CP 460 psi. SI 3:15-5:PM. CP rose to 525 psi. Made 2 runs and well started unloading. SI at 5:30PM - CP 500 - TP 160 psi. At 9:30 PM CP 600 - TP 325 psi.
2/5/62	6235	At 7:AM CP 775 - TP 525 psi. Opened tbg but did not flow. SI ½ hr - CP 825 psi. Started swbg - FL 2700' from surface. Pulled 3 swabs & well started unloading. SI at 9:AM.

Time	CP	TP	Remarks
9:00A	775	390	SI to build up press.
10:00	800	475	SI
11:00	840	525	SI
12:00N	860	580	SI
1:00P	875	625	Opened tbg - did not flow. SI to build up press.
3:00	910	60	Dropped 2 swb sticks.
5:00	975	200	SI
8:30	1010	410	Opened tbg on 64/64" chk.
8:33	1010	0	Fluid up - reduced chk to ½"
8:40	1000	0	Unloading weakly - opened chk to 64/64"
8:45	975	250	Flowing solid strm water - reduced chk to 32/64"
8:50	950	450	Flow changed to hvy spray.
8:55	940	450	Flow as above - SI.

Date	P.B.D.	Remarks			
2/6/62	6235	Time	CP	TP	Remarks
		3:20A	1050	875	Opened on 32/64" chk.
		3:28	1000	345	Flowing solid strm water.
		3:30	990	460	Changed to heavy spray.
		3:40	950	350	Flow as above.
		3:45	900	425	Tending to head.
		3:47	875	450	Flowing in heads - SI.
		4:50	925	650	SI
		7:00	1000	760	SI.
		10:00A	1025	850	SI
		11:00	1050	890	Opened tbg on 32/64" chk.
		11:10	1000	400	Fluid up - solid strm water.
		11:13	1000	500	Changed to spray.
		11:17	990	500	Flowing spray in heads.
		11:23	900	550	Flowing as above - SI.
		7:00P	1075	925	SI.
		8:00	1100	900	Opened on 32/64" chk.
		8:04	1050	340	Fluid up - solid strm water.
		8:11	1050	500	Changed to hvy spray.
		8:21	900	475	SI.
2/7/62	6235	7:00A	1110	975	SI.
		8:00	1125	985	Opened on 32/64" chk.
		8:10	1050	275	Fluid up - solid strm water.
		8:12	1025	525	Changed to hvy spray.
		8:29	900	375	Flowing spray in heads - SI.
		At his point there was a change in personnel and a different man was put on the well to flow and clean it up.			
		8:00P	-	-	Opened on 32/64" chk.
		8:20	-	-	Flowed hvy spray of water.
		8:30	900	300	SI.
2/8/62	6235	7:00A	1100	1100?	SI.
		8:00	1125	975	Opened on 32/64" chk.
		8:10	1125	600	
		8:15	1000	275	
		8:30	950	200	No fluid up - SI.
2/9/62	6235	Well loaded up again w water. Due to bad weather & impassible roads, cleaning up operations were suspended until spring.			

ALPINE-ATLANTIC #1 GOV'T

MUD RECORD

Clean out old Pan-Am hole.

Date	Depth	Mud Properties Vis	Wt.	W.L.	Gels.	Sand	Mud Treatment Gel. 100#	G-Broxin #	Caustic #	Cellex 50#	Driscos 50#	Zeo-Gel 100#	Remarks
11/15/61	0						35(Lime 50#)						Ev tour mixed for rat hole
11/16/61													Drld rat hole, mouse hole, & 2' cem-top of surf csg.
11/17/61	961												Drld cem plug 380-435 6AM
9:AM		46	8.6	36	0-15	0							Ran 15 jts to 961'. Circ.
													30 min. Pipe stuck 8:30
11:AM		39	8.7	32	0-10	0	9	800		4			Circ'g-WO Fishermen-Mix mud
2:PM		67	8.9	14	0-5	2/3%							" " " " "
11/18/61	961												
12:30P		64	8.8	8.4	0-0	½%	88	50		7			Fishing
11/19/61	961												
12:30P		86	8.8	8.0	0-5	0							Fishing
11/20/61	961												
2:10P		148	8.8	4.5	20-54	0	7	250	150				Fishing
11/21/61	961												
11:A		220	8.8										Rig did not have W.L. equip.
11/22/61	2443												
2:00P		127	8.9	5.8	5-40	0		800	400				Cleaning out-cem plug 2294-2425
11/23/61	3733												
4:30P		95	8.9	7.6	13-33	0	22	550		2	4	3	Cleaning out.
9:30P		91	9.6	8.0	5-10	0							
11/24/61	4362							700		3	3		Cleaning out. Cem plug
10:A		260	9.4	11.8	10-40	0							3733-3830
2:P		209	9.5	11.0	10-35	0							
6:P		109	9.5	12.0	2-10	0							
11:P		117	9.5	9.0	2-20	0							
11/25/61	6255							300	50		4		Cleaning out - Prep to run 7" csg.
10:A		121	9.8	10.0	4-20								
4:P		82	9.9	7.6	0-15	0							
7:30P		90	10.0	4.8	0-10								

ALPINE - ATLANTIC GOV'T #1

CASING REPORT

Condition of Hole
13 3/8" csg @ 390
8 3/4" Hole 390-6255. Deviation 1° @ 6037. Max. 1¼° @ 5564.
T.D. 6255

Csg (from bottom up)

Jts	Ft.	OD	ID	DD	Wt.	Grade	Collar	Make
189	6089.57	7"	6.366"	6.241"	23#	N-80	LT&C (9")	USS Nat'l Smlss
6	184.76	7"	6.366"	6.241"	23#	N-80	LT&C	Republic Smlss
195	6274.33	21' up on last jt. Landed @ 6253 KB.						

Shoe

Make:	Baker
Type:	Guide
Prod. No.:	102
O.D. :	7 5/8"
I.D. :	6 9/16"
I.D. Hole:	3 1/16"
Length O.A.:	16 5/8"
Length Steel:	15"
Depth KBM:	6253

Float Collar

Baker
Differential Fill-up Model "B"
1091 M&F
7 5/8"
6 9/16"

2' 3"
2' 3"
6219

Centralizers:

Make:	Baker
Type:	Model "H" Hinge Lock
Prod. No.:	9115
Size:	7H-15
Max. OD	11"
Depth KBM:	6245, 6215, 6060, 5704, 5636, 5572, 5409, 5507

Scratchers:

Baker - Recip.
Hinge Lock Model "C"
900 C
7"
2½" wires
6250, 5690, 5670, 5638, 5620, 5603, 5588, 5450, 5556, 5572

Cement Job

No.Sacks:	300 + 1% $CaCl_2$
Brand Cement:	Ideal
Type:	Neat
Wt. Slurry:	15#
Plugs:	Top & Bottom
No. Trucks:	1
Calc. Displ.:	244 bbls
Actual Displ.:	247‡
Displaced with:	water
Shoe Depth KBM:	6253

Time

	11/27 11/28
Ran csg. :	4:30PM-4:AM
Circulated:	4:15 -8:AM
Mixed & Pumped:	8:45 -8:57A
Displaced:	9:00 -9:40A
Scratched:	4:30 -5:AM *
Plug down:	9:40 AM
Max. Pump Press:	400 psi
Bumped Plug w :	900 psi
Relsd Press to:	0 psi-repress'd to 500 psi
Returns:	Thruout

Date Cem. Log run:	1/9/62
Calc. Top Cem :	4100
Actual Top :	4858

Date Drld out	12/4/61
Drld Float @	6220
Drld Cement	6222-52
Drld Shoe @	6253

* Tried to work pipe again @ 7:AM - stuck tight just below surf. Practically no stretch.

‡ 3 Bbls compression.

Date Run: 11/28/61

ALPINE - ATLANTIC GOV'T #1

CASING DETAIL

Date Run: 11/22/61

*1	34.46	41	33.60	81	32.55	121	30.93	161	33.49		
**2	34.81		32.73		32.85		29.56		32.78	321.34	
3	32.72		31.12		32.45		31.15		32.93	327.95	
4	32.71		33.30		31.00		31.90		31.54	324.99	
5	27.00		32.12		33.00		32.58		31.08	319.80	
6	32.73		31.96		30.60		32.96		32.90	324.29	
7	32.75		32.85		30.80		32.07		31.17	326.89	
8	31.38		33.10		32.94		26.40		32.71	326.40	
9	32.68		30.51		32.30		33.22		32.21	319.71	
10	30.10	50	33.00	90	31.75	130	31.85	170	31.05	320.24	
	321.34		324.29		320.24		312.62		321.86	321.90	
										327.41	
11	31.92	51	32.85	91	32.00	131	32.16	171	21.82	319.65	
	32.10		32.72		31.70		32.68		32.74	312.62	
	32.85		31.71		29.95		32.88		32.76	322.45	
	33.48		33.12		31.90		30.38		30.38	321.40	
	32.40		32.38		32.90		33.50		31.09	324.24	
	33.20		33.12		32.10		32.76		32.66	321.86	
	33.33		31.58		32.70		32.55		33.45	320.77	
	32.30		34.04		32.55		30.90		29.82	316.41	
	33.65		32.22		33.10		32.62		32.71	185.12	
20	32.72	60	33.15	100	33.00	140	32.02	180	33.34	6305.44	
	327.95		326.89		321.90		322.45		320.77	- 31.11	(out)
										- 21.00	(up on
21	32.52	61	30.70	101	33.20	141	32.88	181	32.17		lndg Jt.)
	33.00		31.65		33.00		32.28		32.45	6253.33	KB
	32.35		33.45		32.65		32.24		32.76		
	33.76		33.25		33.20		32.58		32.81		
	31.74		32.73		33.35		32.25		30.03		
	32.15		32.72		32.76		32.55		33.76		
	31.88		33.25		31.05		32.00		29.40		
	33.68		33.15		32.93		29.47		30.63		
	31.40		33.10		32.82		32.81		31.65		
30	32.51	70	32.40	110	32.45	150	32.34	190	30.75		
	324.99		326.40		327.41		321.40		316.41		
31	33.35	71	31.40	111	32.88	151	32.98	191	31.40		
	29.70		32.62		32.40		32.27		30.85		
	29.40		33.30		29.95		33.14		29.67		
	33.10		30.15		32.95		28.90		31.02		
	33.45		32.20		32.66		32.74		31.07	(Landg Jt)	
	31.90		32.50		33.35		31.75		31.11	(Out)	
	31.85		30.35		32.35		32.27		185.12		
	31.70		31.80		32.05		32.93				
40	33.15	80	32.74	120	32.22	160	33.23				
	319.80		319.71		319.65		324.24				

* Incl. Shoe (1.38')
** Incl. Collar (2.25')

SAMPLE DESCRIPTIONS
By: Kenneth D. Luff

Comments:	Due to air drilling the sample quality was from fair to good. As a result it was most difficult to note the various zones in the Dakota interval.
9200-9238	Shale, dark gray, calcareous, scattered possible fish scales.
9238-9262	Shale, as above.
9262-9294	Shale, dark gray, calcareous, very fine silt included.
9294-9324	Shale, dark gray and as before.
9324-9355	Shale, as above.
9355-9381	Shale, steel gray, slightly micaceous, silty, firm due to higher silt and calcareous content. Very poor sample.
9381-9400	Shale, gray (lighter), calcareous, trace very fine silt.
9400-9430	Shale as above (Possible sandstone 9420-30 sub-angular, very silty and shaly, gray, very fine grained).
9430-9460	Shale as above.
9460-9490	Shale as above.
9490-9520	Shale as above.
9520-9540	Shale as above with possible silt increase.
9540-9571	Shale, dark gray to medium gray, possible fish scales.
9571-9588	Shale, as above with trace very fine silt grains.
9588-9595	Siltsone, fine grained, well sorted, sub-angular, light gray (definite color change in dust) very shaly with included silty shale fragments the size of grains, scattered fine to medium sub-angular quartz grains.
9595-9605	Finely interbedded siltstone and coal (or coaly shale); siltstone as above with abundant beer bottle colored quartz grains and some fine to medium grained sand; coal fragments with wood texture and coaly carbonaceous shale.
9605-9615	Sandstone, very fine grained to coarse siltstone, sub-rounded, fair sorting, light gray to salt and peppered due to very fine included shale fragments of gray color; scattered medium grained quartz grains; assumed low porosity due to shales and siltstone content.

9615-9625	Sandstone, very fine grained, sub-rounded to rounded, fair sorting but with much coarse siltstone grains, decrease in included shale "grains", light gray, salt and peppered, appears to be clean sand but fine grain size may decrease porosity, scattered medium to fine sand grains.
9625-0635	Sandstone, very fine grained, sub-angular, well sorted, light gray, salt and peppered due to minor included black shale and coal "grains", dry sample suggests shaly character.
9635-9645	Shale, medium gray, very finely silty, micaceous, calcareous with scattered fine to coarse sand grains and coal to black carbonaceous shale fragments. Sand content variable within interval.
9645-9655	Shale, dark gray to black, thin interbedding of shale as before and black, coaly, slightly silty shale; sand and silt content much decreased from shale.
9655-9665	Siltstone, dark gray to black, medium grained, sub-angular, heavy coal and black carbonaceous shale content almost make sample a shale, low porosity and permeability, much of quartz grains of beer bottle color; trace pyrite and fine to medium, sub-angular sand grains.
9665-9675	Sandstone, very fine gained, light gray, salt and peppered due to shale "grains", sub-angular, very silty and shaly, assumed low porosity and permeability due to silt and shale content, scattered glassy to beer bottle colored, sub-angular, fine to medium sand grains.
9675-9685	Sandstone, as above with increased black carbonaceous shale and light green shale fragments. Abundance of light green shale gives sample color change where black shale gives salt and pepper texture.
9685-9695	Shale, gray to gray black, carbonaceous, micaceous, heavy medium, sub-angular sand content, variable silt content. Trace to some mudstone, green to light green, calcareous, micaceous, soapy to waxy texture, hard, scattered included, coarse, resinous quartz grains.
9695-9705	Sandstone, very fine grained, light gray to gray green, salt and peppered, sub-angular, fair sorting, much included vari-sized silt, salt and pepper texture due to black carbonaceous shale or coal "grains" also much light waxy green shale "grains", assumed low porosity due to shale and silt content.
9705-9715	Sandstone, as above with slight grain size decrease.

9715-9725	Shale or mudstone, pale lavender to rust to light green to light orange, hard, micaceous, calcareous, very finely silty with trace sandstone as above.
9725-9735	Shale or mudstone, as above but with black, very carbonaceous, hard shale.
9735-9745	Shale or mudstone, dominantly light lavender gray and light gray green with minor ruse and black shale, hard micaceous, finely silty with increased very fine siltstone content.
9745-9755	Shale or mudstone, dominantly reddish brown with minor lavender gray and light green, variable very fine silt content.
9755-9765	Shale or mudstone, dominantly light red brown and pale lavender gray, with some black carbonaceous shale and light gray, calcareous, firm, miceaceous, with variable very fine silt.
9765-9775	Shale or mudstone, dominantly reddish brown with minor lavender gray and very light gray and as above.
9775-9785	Shale or mudstone, varicolored lavender gray, reddish brown, gray, light green, calcareous, firm, very finely silty, micaceous in very fine nature, variable fine quartz grains.
9785-9795	Mudstone, pale lavender gray to gray with minor reddish brown and light green and black carbonaceous shale.
9795-9805	Mudstone, light lavender gray and very light gray, calcareous, very finely micaceous, firm with trace black to dark green carbonaceous shale.
9805-9815	Mudstone, dominantly pale lavender with minor light gray and as above.
9815-9825	Mudstone or shale, reddish brown, firm very finely silty, very finely micaceous, firm with trace lavender and gray shale.
9825-9835	Shale, reddish brown, micaceous, silty, softer with scattered quartz grains.
9835-9845	Shale as above with some mudstone, gray, soapy texture, firm, micaceous.
9845-9855	Shale, varicolored, dominantly black and dark brown with lavender gray, gray, reddish brown, light green, calcareous, firm, very finely micaceous. Thin siltstone ledges, buff to light orange, uniformly textured, thinly bedded, calcareous, fair cementation.

9855-9865	Shale, lavender and light gray green, very finely silty, micaceous, calcareous, firm; trace black carbonaceous shale as above.
9865-9875	Shale, lavender to light gray green and as above but very soft.
9875-9885	Shale as above, dominantly light gray green with large sub-rounded quartz grains scattered within. Very poor samples.
9885-9895	Finely interbedded shale and siltstone; shale, light green, soapy texture, firm, calcareous; siltstone, light gray, well sorted, very shaly, soft, micaceous, salt and peppered due to black shale "grains" included.
9895-9905	Shale and siltstone, as before with both being very limy.
9905-9915	Shale and very thinly interbedded limestone; shale, light green, very calcareous, firm, more of a mudstone, very finely micaceous; limestone, off white to very light gray, very argillaceous; hard, thinly bedded.
9915-9925	As above with minor black calcareous shale and siltstone, gray, very shaly, soft micaceous.
9925-9935	Sandstone, very fine or could be called a siltstone, good sorting, light gray, sub-angular, shaly plugging porosity, somewhat salt and peppered, no show.
9935-9945	Shale, dominantly light gray with minor light gray green and rust brown, almost a mudstone, firm, very finely silty and micaceous; trace siltstone as before.
9945-9955	Shale, with thin interbedded mudstones; shale, light gray to buff, soft, silty, calcareous and bentonitic; mudstone, light green, firm, calcareous, micaceous.
9955-9965	Shale and mudstone as above with minor shale, rust brown and black carbonaceous.
9965-9975	Shale and mudstone; shale, reddish brown, very finely micaceous, firm and calcareous mudstone, light green, gray, calcareous, soft to firm.
9975-9985	As above.
9985-9995	As above with trace of siltstone, medium grained, sub-angular, shaly, calcareous.
9995-10005	Mudstone and shale; mudstone, light gray green to light gray, very calcareous (almost a limestone), micaceous, firm; shale, dark gray to black, micaceous, carbonaceous, firm.

Sample Descriptions (continued)

10005-10015	Mudstone as above with minor black shale as above and shale, reddish brown, micaceous, calcareous, soft.
10015-10025	Siltstone, medium grained, light green, fair sorting, poor porosity due to finer silt and shale; trace of mudstone as before.
10025-10035	Siltstone as above with increase in light gray green mudstone.
10035-10045	Siltstone as above interbedded with shale, gray and reddish brown, calcareous, slightly silty, soft; trace gray green mudstone as before.
10045-10055	Mudstone, light gray to green to steel gray, calcareous and firm, very finely micaceous; trace of reddish brown shale as above and siltstone as above.
10055-10060	Very poor sample due to blowing hole down. Appears as siltstone, light gray, sub-angular, poorly sorted, much medium to fine sub-rounded quartz grains, shaly, low porosity, micaceous. Drilling time would suggest mudstone as above. There was no noticable change in drilling rate.

TD-10060

ALPINE OIL COMPANY, INC.

BIT RECORD

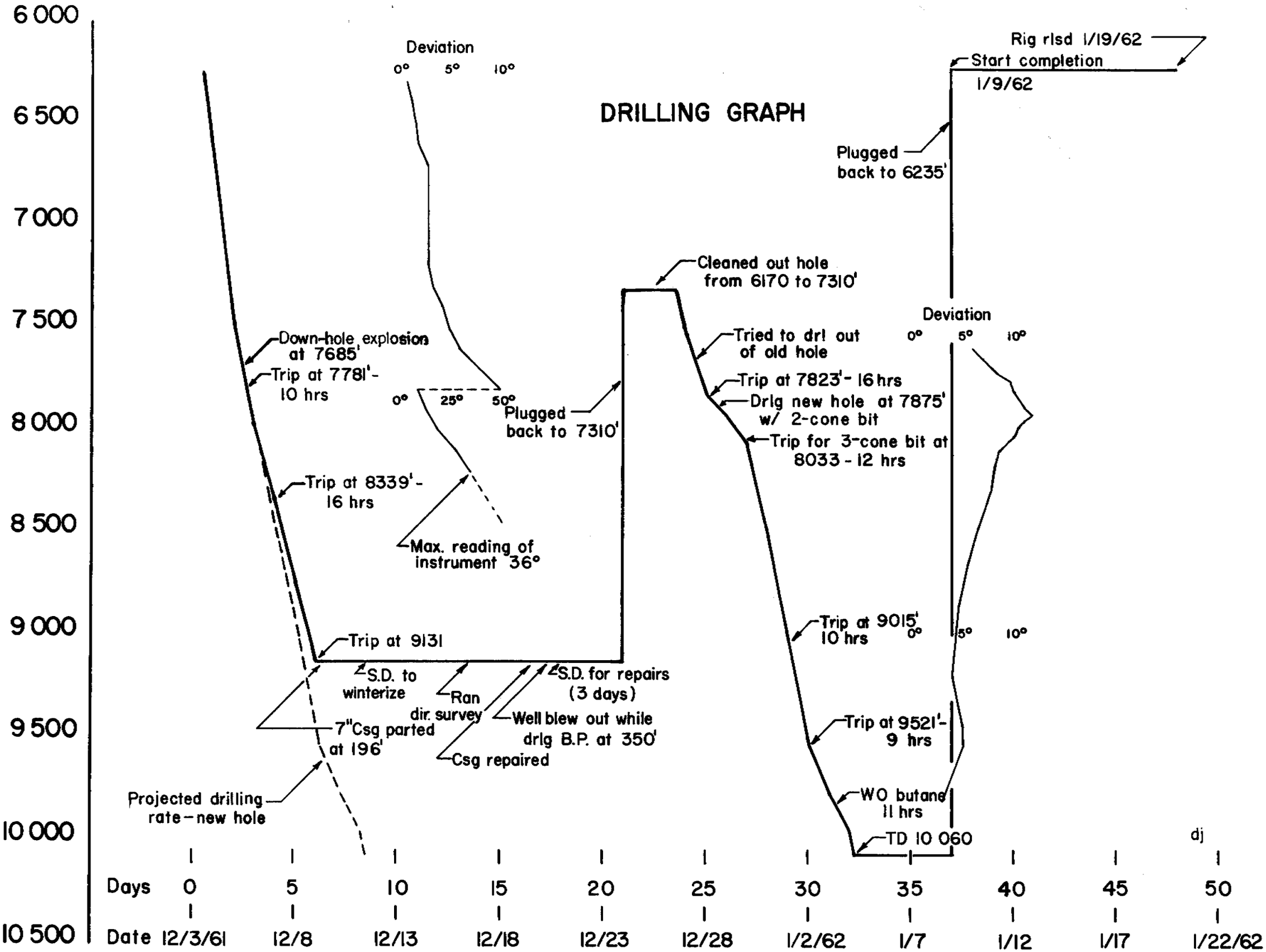
Alpine-Atlantic #1 Gov't

Winter Ridge, Uintah County, Utah

Bit No.	Date	From	To	Make	Type	Size	Jets	Serial No.	Formation	Ft Drld	Hrs Run	RPM	WT	Condition of Bit	Remarks
1	11/12/61	0	961	HTC	OSC	8 3/4"	3 11/16"	55619	Green River	961				Good	C.O old hole - Drld cem 380-435. Pipe stuck @ 961
2	11/27/61	961	6255	SEC	S-4	8 3/4"	3 11/16"	5112726	Gr R-Wasatch -MV					Good	Drld cem 2294-2425 & 3733-3830 & drld new hole 6250-6255.Ran 7"
3	12/6/61	6255	7781	Reed	YCG	6¼"	None	D 05167	Mancos	1525	41	120-70	12,000-10,000#	Many buttons gone, part of 1 cone gone	Down hole fire
4	12/7/61	7781	8339	Reed	YCG	6¼"	None	215150	Mancos	558	14½	45	10,000#	Poor-run on junk-bearings gone, one cone	Bit plugged with wire brush.
5	12/9/61	8339	9131	HTC	RG7-J	6¼"	2 5/8"	50043	Mancos	792	33½	60	5,000-9,000#	Bearings gone - one cone	Dev 36° @ 8250 - 6° @ 7750. 7" Csg. parted @ 194
6	12/20/61	350	350	SEC	H-7W	6¼"	None	513111	Bridge Plug	6"	½			Out of bridge	Went in to drl BP @ 350', well blew out.
7	12/23/61	350	352	Reed	YHR	6¼"	None	315229	Bridge Plug	2'	6½	65	10,000#	OK	
8	12/28/61	6690	7823	SEC	H-7W	6¼"	None	516629	Cem Plugs	1133	78	60	1,000-4,000#	Green	Tried to kick out of old hole.
9	12/30/61	7823	8033	Reed	YSIR	6¼"	None	313610	Mancos	210	16	65	4,000-1,000#	Green	Cut 1 cone off, stabilizer on top of 1st DC. Drlg new hole @ 7875
10	1/1/62	8033	9015	Reed	YCG-RA	6¼"	None	213532	Mancos	982	28¼	65	10,000-12,000#	Green	Pulled because drlg slowed to 10 min/ft.
11	1/2/62	9015	9521	Reed	YCG-RA	6¼"	None	D14995	Mancos	506	19	65	10,000-14,000#	Buttons worn	Pulled because drlg slowed to 16 min/ft.
12	1/5/62	9521	10,060	Reed	YCG-RA	6¼"	None	D14993	Dakota - Buckhorn	539	26 3/4	45-65	12,000-20,000#	Buttons worn	Reached T.D.

Date	C.O.D	Remarks
12/24/61 (continued)	6170	bridge @ 4700' - cement on walls of csg. Worked through cement w kelly on & circ'd hot air (w/o booster). Circ'd 30 min. every 5 stnds. Cleaned out to 6170 - encountered no more cement in the csg.
12/25/61	6826	Circ'd 3 hrs @ 6170 to dry up csg. Ran in 2 stnds & hit cem - not solid but had to ream every joint from 6350 down. Dev 2 3/4° @ 6660. Drld solid cem 6690-6710. Samples moist (distillate cut) down to 6700. Had no returns below 6700. Raised injection temp from 40 to 70° - got moist but good returns. While cleaning out with 40° air, flare burned after each connection but not while reaming. With 70° air, flare burned almost continuously. Dev 3° @ 6786.
12/26/61	7278	Cleaned out to 7000 by 8:AM. Dev 3° @ 6825 & 6920; 3¼° @ 7010. Reduced wt on bit from 8000# to 4000# @ 7100. Returns still slightly damp but improving. 3¼° @ 7218. Drld 6 min/ft 7257 - 7270 & 12 min/ft 7270-7287 (trying to drl out of old hole).
12/27/61	7507	At 8:AM drlg @ 7305 - 12 min/ft w less than 1000# wt on bit 60 RPM 1500 CFM @ 70° 130 psi. 3½° @ 7240. At 7307 started drlg 6 min/ft carrying 2000# wt. 4° @ 7304. Gas appeared to be decreasing - did not surface during survey as in 3 previous surveys. Drld 6 min/ft 7320-7350. 4° @ 7330. Started drlg 2 min/ft @ 7350 w 4000# wt. 4½° @ 7360 & 7390.
12/28/61	7823	No cement 7408-7740. Gas increased - burned steadily. Took 2-3000# wt to drl cement bridge 7740-7744. 8½° @ 7730. At 7748 resumed efforts to straighten hole. Drld 1' in one hr - drld 2' in next hr - then drld remainder of joint @ 12 min/ft. At 7751 started getting mud out of blooie line. Raised inj temp to 90°. Carried 1000# wt 60 RPM 130 psi inj press. At 7768 moisture was predominately distillate. 9½° @ 7760 (same as Schlum directional survey). Drld 6 min/ft 7779-7795 & 3 min/ft 7795-7810. 10° @ 7790 (same as Schlum). Drld to 7823 & tripped out.

DRILLING GRAPH



ALPINE-ATLANTIC GOV'T #1

AIR DRILLING RECORD

Date	Depth	Air Vol. CFM	Inj. Temp. °F	Inj. Press. psi	Rotary RPM	Wt. on Bit 1,000#	Drlg. Rate Min/Ft	Rotating Hrs *	Footage Drld.
12/4/61	6626	1500	250	140	120	12	1-2	10½	371
12/5/61	7478	1500	250	140	110-70	12-10	2/3-2	23¼	852
12/6/61	7973	1400	40	150	70	10	5-1	12	495
12/7/61	8339	1400	40	150	45	10	1-2	9	366
12/8/61	8720	1400	40	150	60	5-3-7	2-8-6	16½	381
12/9/61	9131	1400	40	170	60	9	1	11	411
	Plugged back and redrilled due to excessive deviation.								
12/29/61	7937	1400	70	140	65	4	2	3	114
12/30/61	8059	1400	70	140	65	1-2	4-3	8	122
12/31/61	8521	1400	40	130	65	4-6	3-1½	15	462
1/1/62	9015	1400	50	140	65	12-14	1	12	494
1/2/62	9521	1400	40	150	65	10	1-5	19	506
1/3/62	9763	1400	40	150	55	8	2-5	14½	242
1/4/62	9958	1400	40	150	55	8-14	7-3	11½	195
1/5/62	10060	1400	40	150	55	14-20	3-5	6	102

* Includes connection time.

ALPINE - ATLANTIC GOV'T #1

FRAC TREATMENT REPORT

Date: 1/11/61

Time	TBG Press	Sand	Shells	BPM	Total Displ.	Bbls/ Stage	Remarks
11:50AM	Press'd to 2200 psi - perf's broke down to 750 psi - pumped 20 bbls.						
11:55	Set pkr @ 400' w 20,000# wt & press'd 500 psi on annulus. Held OK.						
11:59	1700				20		Start treatment.
12:noon	1600	½#/gal.	0	23	40		
12:02PM	1600	3/4#/gal.		23	90		
12:04	1550	1#/gal.		25	120		
12:06	1500	"		25	170		Valve in 1 truck
12:08	1450	"		25	220		iced up.
12:08½	1700	"		30	240		Truck OK.
12:09	1700	"		31	260	240	Dropped 25 balls.
12:11	1700	"		31	320		
12:14	1700	"		30	420		Shut down - leak in ball dropper.
12:19							Resumed pumping.
12:20	1600	"		32	460	420	15,000# sand away
12:21	1700	0	0.1#/gal	32	480		1st balls down.
12:22	1800		"	31	520	240	Dropped 25 balls.
12:25	1850		"	31	610		
12:27	1800	½#/gal.	0	32	660	180	750# shells away.
12:28	1800	3/4#/gal.		32	690		
12:29	1850	1#/gal.		32	730		2nd drop down.
12:30	2000	"		31	760	240	Dropped 25 balls.
12:33	2000	"		31	870		
12:37	1900	"		31½	980	220	Dropped 25 balls.
12:39	2000	"		31	1040		3rd drop down
12:40	1900	0	0.1#/gal	31	1080	420	2nd 15,000# sand away.
12:42	1950		"	31	1160		
12:46	2150	0	0	30	1240	160	2nd 700# shells away & 4th drop down - start flush
12:47	Shut down because blender picked up ice.						
12:50	2050			25	1320		Reduced rate due to ice.
12:52	1800			25	1370		4' of ice in one tank
12:53	2100			30	1395		
12:55					1410		Shut down - ice.
12:56					1447	207	Job complete -
12:57	1200						underflushed 6 bbls.

Fraced perfs 5570-5582, 5591-5599, 5660-5670 w 50,000 gal. 3% HCl, 1,000# J-98 (Gargum) (20#/1,000 gal) - 30,000# 20-40 sand (0.8#/gal) - 1450# 12-20 walnut shells in 2 stages (0.1#/gal). Dropped 100 7/8" balls in 4 drops. BDP 2200 to 750 psi. Avrg pump press 1800 - max. 2150 - min. 1450. Avrg inj rate 30.5 BPM. Underflushed 6 bbls because of ice in tanks. Flush away 12:56 PM. Instantaneous press 1200 psi - 1050 psi after 15 min.

ALPINE - ATLANTIC GOV'T #1

TUBING DETAIL

Date Run: 1/12/61

*1	39.87	41	28.90	81	30.95	121	29.88	161	30.40
2	30.10	42	29.82		30.77		29.53		30.42
3	31.46	43	29.04		29.60		30.59		29.43
4	30.14	44	29.53		30.46		31.56		30.48
5	28.78	45	30.18		29.52		30.48		31.94
6	31.80	46	30.48		29.88		31.20		29.12
7	29.80	47	29.57		30.75		32.07		28.93
8	30.55	48	31.72		29.54		31.64		28.07
9	29.31	49	29.89		29.70		30.18		30.88
10	30.62	50	30.38	90	29.68	130	30.62	170	29.68
	312.43		299.51		300.85		307.75		299.35
11	29.50	51	29.63	91	31.16	131	30.55	171	30.50
12	30.07		31.63		29.91		30.57		29.90
13	30.08		31.61		31.16		31.55		31.78
14	30.25		30.24		30.46		31.54		29.29
15	30.02		30.42		29.60		31.14		29.94
16	29.43		30.13		30.07		31.04		31.15
17	31.45		29.91		30.76		30.75		31.89
18	29.60		31.28		30.93		30.13		29.75
19	30.46		31.97		30.01		31.24		29.68
20	28.85	60	29.72	100	29.28	141	30.64	180	30.67
	299.71		306.54		303.34		309.15		304.55
21	28.62	61	30.28	101	29.86	141	30.97	181	30.37
22	29.29		29.95		29.70		30.50		30.48
23	30.13		31.29		28.00		31.53		30.64)
24	30.07		30.36		30.74		31.58		29.75) Pulled 1/14/61
25	29.28		30.46		31.38		31.13	185	30.83) 91.22
26	29.87		30.58		28.97		31.67		152.07
27	31.88		29.86		28.29		31.55		
28	29.59		31.48		31.30		31.06		1215.72
29	30.01		31.12		28.87		31.13		755.97 1212.77
30	30.87	70	30.39	110	30.19	150	32.00		1204.75
	299.61		305.77		297.30		313.12		1240.63
									755.97
31	29.95	71	29.76	111	29.56	151	32.00		5629.84
32	29.98		30.57		29.95		31.65		12:00 KB
33	30.60		31.37		28.82		30.21		5641.84
34	30.44		29.53		30.73		31.29		Pulled 1/14 - 91.22
35	31.51		29.63		31.64		30.54		5550.62 KB
36	29.88		30.74		30.25		30.98		
37	31.55		31.33		30.83		30.80		
38	29.90		30.63		31.04		30.91		
39	30.96		29.36		30.76		30.90		
40	29.20	80	28.03	120	29.68	160	31.33		
	303.97		300.95		303.26		310.61		
	1215.72		1212.77		1204.75		1240.63		

*From Bottom Up:

Production Tube	5.56
Locator Sub & Seal Assembly	3.17
1 Jt 2 7/8" tbg.	30.64
Seating Nipple	0.50
	39.87

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Utah

Lease No. 020281

Unit

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL Temporary	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 13, 1962

Well No. 1 is located 1980 ft. from {N/S} line and 2000 ft. from {E/W} line of sec. 22

NESW 22 (¼ Sec. and Sec. No.) | 15S (Twp.) | 21E (Range) | SLM (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 7404 ft. KB, 7392 GL

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Plan to set a Baker Model D production packer at 5575' and temporarily abandon the well. It is planned to hold this well until either additional drilling is done on the block or decision made to test additional zones above 5575' in this well.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Alpine Oil Company

Address 722 Patterson Building

Denver 2,

Colorado

By [signature]

Title President

GPO 862040

October 11, 1962

Alpine Oil Company
722 Patterson Building
Denver 2, Colorado

Re: Well No. Winter Ridge Unit #1
Sec. 22, T. 15 S, R. 21 E.,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the well log and electric and/or radioactivity logs for the above reworked well are due and have not yet been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Log of Oil or Gas Well", in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our form.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

CFP:cnp
Encl.

Copy file

ALPINE OIL COMPANY, INC.
EXPLORATION - PRODUCTION
722 PATTERSON BUILDING
DENVER 2, COLORADO

August 13, 1964

The Atlantic Refining Company
1500 Security Life Building
Denver, Colorado 80202

ATTENTION: Mr. R. O. Childers

Gentlemen:

This is to advise that we request Atlantic to plug and abandon the Alpine-Atlantic #1 Government well at Winter Ridge in the NE¼SW¼ of Section 22, Township 15 South, Range 21 East, SLM, Uintah County, Utah, in accordance with the requirements of the U. S. Geological Survey, at your earlie convenience.

Thank you for your kind attention.

Very truly yours,

ALPINE OIL COMPANY, INC.

By Warren Sheridan

WS/hb

AUG 2 0 1964

ATLANTIC

THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT

MAILING ADDRESS:
P. O. BOX 2197
FARMINGTON, NEW MEXICO
87401

August 19, 1964

Oil & Gas Conservation Commission
of the State of Utah
348 East South Temple
Suite 301
Salt Lake City, Utah

Re: Atlantic Alpine Govt. #1 Well
NE SW Sec. 22, T-15S, R-21E
Uintah Co., Utah

Gentlemen:

Two copies of a request to plug and abandon the subject well are attached. This well was completed in February, 1962 with Alpine Oil Company, Inc. as operator. It has been classed as temporarily abandoned since that time. The plugging procedure shown has been verbally approved by Mr. R. A. Smith with the U.S.G.S. in Salt Lake City.

Also, two copies of a letter from Alpine Oil Company, Inc. requesting that Atlantic assume operation of this well are attached.

If this proposal is satisfactory, will you please return one approved copy of this letter.

Yours very truly,

B J Sartain

B. J. Sartain

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: 020281

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER P & A

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Alpine Oil Co., Inc. (Atlantic Refining Co.)

8. FARM OR LEASE NAME: Government

3. ADDRESS OF OPERATOR: Box 2197 Farmington, New Mexico

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NE SW Sec. 22, (1980' FSL & 2000' FWL)

10. FIELD AND POOL, OR WILDCAT: Winter Ridge

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 22, T15S, R21E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7404 KB, 7392 GR

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

I. Squeezed 7" OD casing perforations 5660-5670', 5591-99' and 5570-5582' w/100 sks regular cement plus 2% $CaCl_2$, followed by rubber plug and displaced w/water to 5385'; maximum pressure 1150 psi.

II. Perforated 7" OD casing 2383-86' w/8 jets; squeezed w/100 sks regular cement, followed by rubber plug and displaced w/water to 2260'; maximum pressure 900 psi.

III. Squeezed 50 sks down 7" x 13-3/8" casing annulus displaced w/2 bbls water. Job completed @ 7:00 p.m. 8-25-64.

IV. Cut off casinghead, welded steel plate on top of 7" OD casing and installed dry hole marker. 8-22-64

V. Completed clean up of well site for final abandonment inspection 9-21-64.

18. I hereby certify that the foregoing is true and correct

SIGNED B. J. Hamm TITLE Drilling Prod. Supv. DATE Sept. 22, 1964

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side